

CSLOs Spring 2020

Cypress College

Date: 05-29-2020

Business Div.
Accounting Dept.
<p>CSLO</p> <p>ACCT101 C - Financial Accounting</p> <ul style="list-style-type: none"> Given a description of various business transactions, students will correctly analyze and prepare journal entries with a 70% accuracy. Given financial statement data for a business, students will correctly compute and analyze the results of ratios for liquidity, profitability, and solvency with a 70% accuracy. <p>ACCT102 C - Managerial Accounting</p> <ul style="list-style-type: none"> Be able to compute and apply cost-volume-profit analysis. Be able to prepare and analyze the flow of costs in a business using the job order cost system and the process cost system. <p>ACCT190 C - Accounting System Design and Application</p> <ul style="list-style-type: none"> Using a computer software program, record various transactions. Identify and correct internal control weaknesses in an accounting/management system. <p>ACCT201 C - Intermediate Accounting</p> <ul style="list-style-type: none"> Compute inventory balances using a variety of flow-of cost and inventory recording systems. Prepare journal entries for various transactions. Understand and analyze financial statements and other means of financial reporting at an intermediate level Understand and analyze financial statements and other means of financial reporting at an intermediate level. <p>ACCT202 C - Cost Accounting</p> <ul style="list-style-type: none"> Compute and interpret variances related to a standard cost accounting system Compute, distribute, and interpret product costs using both the process cost and the job order cost accounting systems. <p>ACCT204 C - Accounting-Government and Nonprofit Entities</p> <ul style="list-style-type: none"> Analyze and interpret the financial statement/fund results for both governmental and not-for-profit entities. Prepare various journal entries for both governmental and not-for-profit funds
Computer Information Systems Dept.
<p>CSLO</p> <p>CIS075 C - Business Skills Development</p> <ul style="list-style-type: none"> Demonstrate proficient computer applications knowledge and skills in computer modules with a minimum of 70% or higher achievement. Students will acquire supplemental skills needed to enhance their success in other classes and programs at Cypress College with a minimum of 70% or higher achievement. Students will acquire supplemental skills needed to enhance their success in personal or vocational endeavors with a minimum of 70% or higher achievement. <p>CIS100 C - Intro-Comp & Windows Concepts</p> <ul style="list-style-type: none"> Students will be able to manage files using the Windows Operating System with a minimum of 70% accuracy. Students will know the function of major computer components with 70% accuracy. <p>CIS101 C - Intro MS Word/Doc Formatting</p> <ul style="list-style-type: none"> Student will be able to key by touch on the QWERTY keyboard with a minimum of 70% accuracy. Students will be able to perform basic text editing using MS Word with a minimum of 70% accuracy. <p>CIS102 C - Adv MS Word Business Apps</p>

- Student will be able to key and format tables with a minimum of 70% accuracy.
- Student will be able to use mail merge to create business letters with a minimum of 70% accuracy.

CIS103 C - Microsoft Excel and PowerPoint

- Upon completion of the course, students will be able to successfully demonstrate their competency, with a minimum of 75% or higher achievement, in: (a) Creating a basic worksheet, formatting data and labels appropriately, adding headers and footers, printing the worksheet as a normal Excel document and also printing the worksheet showing all formulas. (b) Creating and entering formulas correctly, copying formulas to other locations and worksheets, and using absolute references properly when needed. (c) Using select functions ? financial, date/time, statistical, logical, mathematical ? appropriately and correctly. (d) Creating and formatting charts ? bar charts, column charts, pie charts, line charts, etc. ? that are appropriate for the worksheet being used. (e) Creating and formatting an Excel database; and being able to sort and filter fields and records. (f) Creating a PowerPoint presentation consisting of text, graphics, animations, transitions, and timings. (g) Creating a PowerPoint presentation that contains custom themes, master slides, SmartArt and video/sound clips; and being able to link or embed Excel worksheets and charts.

CIS109 C - E-Business Applications

- Do the students achieve the desired learning outcome after completing the required learning activity and e-business case studies?
- List the steps in the scientific method and describe correlational and experimental research methods, including a discussion of the advantages and disadvantages of each.
- Student recommend a basic strategy to select and retrieve an appropriate piece of information of a given research assignment.

CIS110 C - Linux Operating System

- Demonstrate knowledge of Linux technology applicable to the field, and a proficiency in appropriate software; be competent evaluators and users of hardware; adapt to technological changes and select a current solution for a given problem.
- Demonstrate the ability to acquire and validate resources to solve technical problems; use information resources to gather discipline specific information or materials
- Share information effectively using state of the art Linux technology; receive and process written and oral information and prepare the appropriate response; ask effective questions; work effectively, individually, and as a member of a group.

CIS111 C - Computer Information Systems

- Upon completion of Computer Information Systems, the student should be able to: (a) Use Microsoft Word software to insert /format a table, insert a picture and format a document with 70% accuracy. (b) Use Microsoft Excel software to create formulas and format a work sheet with 70% accuracy. (c) Use Microsoft Access Software to create a Query, Form, and report with 70% accuracy.
- Upon completion of the course, students will be able to understand concepts related to hardware, software, network, security, ethics, and privacy with 70% accuracy.

CIS116 C - MS Outlook/Office Procedures

- Students will be able to use the main functions in Outlook, including email, calendar, contacts and tasks with 70% accuracy

CIS121 C - Adobe PDF Document Mgmt

- While working in a computer classroom on the day of the final exam, with 75% accuracy or higher, students will be able to add footers to a PDF document.
- While working in a computer classroom on the day of the final exam, with 75% accuracy or higher, students will be able to format various elements of a PDF document.
- While working in a computer classroom on the day of the final exam, with 75% accuracy or higher, students will be able to insert graphical images in a PDF document.

CIS132 C - Spreadsheet-Excel for Windows

- Upon completion of the Microsoft (MS) Excel 2010 - Spreadsheet Software course, the students will be able to understand the basic spreadsheet concepts related to MS Excel 2010 with 70% accuracy.
- Upon completion of the Microsoft (MS) Excel 2010 - Spreadsheet Software course, the students will be able to demonstrate learned hands-on skills using MS Excel 2010 commands with 70% accuracy.

CIS142 C - Database-Access for Windows

- Upon completion of the Microsoft (MS) Access - Database Software course, the students will be able to understand the basic database concepts related to MS Access with 70% accuracy.
- Upon completion of the Microsoft (MS) Access 2010 - Database Software course, the students will be able to demonstrate learned hands-on skills using MS Access commands with 70% accuracy.

CIS150 C - Microsoft Office Applications

- Upon completion of the course, the student will be able to identify the terms and application of the Microsoft Windows operating system and the four areas of Microsoft Office (Word, Excel, Access and PowerPoint) with a minimum of 70% accuracy
- The student will be able to create business documents (i.e spreadsheets, database queries and reports, and presentation materials) using Microsoft Office for Windows using a hands-on application exam.

CIS160 C - Information Systems Management

- Upon completion of the course, students will be able to create a spreadsheet and database and demonstrate how an Information Systems department uses these software applications within a corporation.
- Upon completion of the course, students will be able to discuss current issues affecting the role of the Information Systems (IS) department as it relates to the many departments and management structure of a corporation or in today's society.
- Upon completion of the course, students will be able to identify the planning and procedures of planning, equipping, staffing, and managing the procedures of the Information Systems department in a corporation.

CIS161 C - PC Operating System

- While working in a networking lab on the day of the final exam, with 80% accuracy or higher, students will be able to create and manage local user and group accounts.
- While working in a networking lab on the day of the final exam, with 80% accuracy or higher, students will be able to describe the difference between the FAT, FAT32, and NTFS file systems.
- While working in a networking lab on the day of the final exam, with 80% accuracy or higher, students will be able to manage disk-level properties.

CIS162 C - PC/Network Hardware support

- Identify major components of personal computer systems and recommend appropriate configuration, repair, or replacement options with 70% accuracy.
- Install computer hardware drivers with 70% accuracy.
- Completely disassemble and reassemble desktop personal computer with 70% accuracy.
- Effectively demonstrate writing skills necessary to design and organize service logs for personal computer repair with 70% accuracy.
- Install common computer operating systems onto computer storage subsystem with 70% accuracy.

CIS163 C - Introduction to Network Hardware

- Given the various networking devices, software, animations, tools, step by step illustrative lab instructions, and one-on-one assistance students will complete hands-on laboratory exercises with 75% accuracy.
- Upon completion of the course students will be able to understand the codes and concepts of cabling; develop the skills on mastering the industrial cabling of CAT5, CAT6, BNC, and fiber with 75% accuracy.
- Upon completion of the course students will be able to understand, configure, maintain, and trouble shoot most basic networking devices such as hub, switch, router, and firewall with 75% accuracy.

CIS164 C - Computer Desktop Support

- While working in a computer classroom on the day of the final exam, with 80% accuracy or higher, students will be able to create five local user accounts on Windows 7, and then add the users to a local group.
- While working in a computer classroom on the day of the final exam, with 80% accuracy or higher, students will be able to assign the local users group the Change Share Permission to control CIS164 folder.
- While working in a computer classroom on the day of the final exam, with 80% accuracy or higher, students will be able to create a folder named as CIS164 using Windows 7, and then share the folder under the same name.

CIS179 C - Intro. to Web Page Design

- Upon completion of the course students will be able to design their own web site based on concepts learned in the course including tables and cascading style sheets.
- Upon completion of the course students will be able to use cascading style sheets
- Upon completion of the course students will be able to use linked images.
- Upon completion of the course students will be able to use web tables

CIS182 C - MS Networking Fundamentals

- While working in a networking lab, students will (with 100% accuracy) be able to compare and contrast various protocols available in a Client/Server based network and perform an analysis of how the protocols would be used under different network configurations.
- While working in a networking lab, students will (with 100% accuracy) be able to manage and maintain a file server's resources including monitoring the operation of a file server, creating users and groups, sharing files and folders, and assigning rights and permissions to the files and folders.
- While working in a networking lab, students will, with 100% accuracy, follow the instructor's instruction during the lecture to examine Windows related network administration commands using the network operating system utilities.

CIS185 C - Administering Windows Server

- While working in a networking lab on the day of the final exam, with 80% accuracy or higher, students will be able to create and modify Active Directory objects such as organizational units, users, computers, and groups.
- While working in a networking lab on the day of the final exam, with 80% accuracy or higher, students will be able to manage and maintain file server resources including monitoring the operation of a file server.
- While working in a networking lab on the day of the final exam, with 80% accuracy or higher, students will be able to share files and folders.

- While working in a networking lab on the day of the final exam, with 80% accuracy or higher, students will be able to share files and folders.

CIS189 C - Admin/Config/Win Svr Dir Svs

- Upon completion of the course students will be able to configure Active Directory sites
- Upon completion of the course students will be able to manage Active Directory objects
- Upon completion of the course students will be able to configure Active Directory group policies
- Upon completion of the course students will be able to develop basic understanding of the Microsoft Windows Active Directory
- Upon completion of the course students will be able to install Active Directory

CIS190 C - Administrating and Configuring Windows Server Network Infrastructure

- Upon completion of the course students will be able to identify features and characteristics of Cybersecurity
- Upon Completion of the course students will be able to develop command line skills in Linux
- Upon completion of the course students will be able to develop basic understanding of IP addressing

CIS191 C - Admin/Config/Win Sver Netwk In

- Upon completion of the course students will be able to acquire knowledge of subnetting.
- Upon completion of the course students will be able to develop basic understanding of the Microsoft Network Infrastructure Administration
- Upon completion of the course students will be able to install and configure the Dynamic Host Configuration Protocol (DHCP).
- Upon completion of the course students will be able to manage and administer Domain Name System (DNS)

CIS195 C - Network Security

- Upon completion of the course students will be able to configure access control with 70% accuracy.
- Upon completion of the course students will be able to configure security basics with 70% accuracy.
- Upon completion of the course students will be able to develop basic understanding of the Network Security with 70% accuracy.

CIS196 C - Ethical Hacking

- Upon completion of the course students will be able to configure network defenses with 70% accuracy.
- Upon completion of the course students will be able to configure perimeter defenses with 70% accuracy.
- Upon completion of the course students will be able to develop basic understanding of the Anti-Hacking Network Security with 70% accuracy.

CIS201 C - MS Virtualization/Cloud Deploy

- While working in a networking lab on the day of the final exam, with 80% accuracy or higher, students will be able to configure and modify Hyper-V settings based on the given instructions.
- While working in a networking lab on the day of the final exam, with 80% accuracy or higher, students will be able to convert a physical server to a virtual machine.

CIS202 C - VMware/vSphere Virt Netwkg

- While working in a networking lab on the day of the final exam, with 80% accuracy or higher, students will be able to configure and manage vSphere infrastructure with VMware vSphere Client.
- While working in a networking lab on the day of the final exam, with 80% accuracy or higher, students will be able to create, manage and configure a vApp.

CIS211 C - Introduction to Programming

- Upon completion of Introduction to Programming, the student will be able to: a. use Microsoft Visual C# software to code a program that includes: input, void and value returning methods with input and output arguments, loop and selection structures, arithmetic calculations, and output formatting with 70% accuracy. b. Use Microsoft Visual Basic software to code a program that includes: sub procedures and functions with input and output arguments, loop and selection structures, arithmetic calculations, and output formatting with 70% accuracy.
- Upon completion of Introduction to Programming, the students will have the knowledge of Visual C# and Visual Basic programming concepts including sub procedures and functions with input and output arguments, loop and selection structures, arithmetic calculations, and output formatting with 70% accuracy.

CIS216 C - Microsoft Project

- Using Microsoft Project, the student will be able to assign resources and costs to tasks. The student will also be able to create a baseline and track project progress.
- Using Microsoft Project, the student will be able to communicate project information by creating and formatting charts, views and reports.
- Using Microsoft Project, the student will be able to create a detailed project schedule with tasks, durations, and task dependencies.

CIS217 C - Visual Basic Programming

- Upon completion of the course, students will acquire the basic knowledge of visual basic programming concepts such as: user interface design, variables, constants, calculations, decision and condition structures, menus, common dialog boxes, sub procedures and function procedures, multiform projects, lists, loops and printing and accessing database files with 70% accuracy.
- Upon completion of the course, students will be able to use Visual Studio software to demonstrate their programming skills in topics such as textboxes, labels, buttons, radio and checkboxes, user interface design, variables, constants, calculations, decision and condition structures, menus, common dialog boxes, sub procedures and function procedures, multiform projects, lists, loops and printing and accessing database files with 70% accuracy.

CIS218 C - Visual C# Programming

- Demonstrate mastery of the programming languages, Visual C#, in terms of both grammar and the set of commands including procedural, object-oriented, event-driven, and GUI/ component-based programming as well as general understanding of formal languages and compilers.
- Demonstrate the ability to acquire the fundamentals of object-oriented programming and design using Visual C# design for GUI applications.
- Solve problems and analyze algorithms and be able to apply and implement the theories of computation in computers, and be able to analyze and apply algorithms in solving problems in these and other disciplines.

CIS220 C - Web Page Programming

- While working in a computer lab on the day of the final exam, with 80% accuracy or higher, students will be able to change the appearance and settings of their own blogs.
- While working in a computer lab on the day of the final exam, with 80% accuracy or higher, students will be able to post their own personal Web site over the Internet.

CIS223 C - Visual C++ Programming

- Demonstrate the ability to acquire the fundamentals of object-oriented programming and design using Visual C++ design for GUI applications.
- Demonstrate mastery of the programming languages, Visual C++, in terms of both grammar and the set of commands including procedural, object-oriented, event-driven, and GUI/ component-based programming as well as general understanding of formal languages and compilers.
- Solve problems and analyze algorithms and be able to apply and implement the theories of computation in computers, and be able to analyze and apply algorithms in solving problems in these and other disciplines.

CIS226 C - Java Programming

- Upon completion of the course, students will be able to understand the Java programming concepts such as Java virtual machine, control structures, arrays, object-oriented programming, and exception handling, with 70% accuracy.
- Upon completion of the course, students will be able use the open-source software Eclipse to write, test, and debug Java console programs, applets, and graphical user interface with 70% accuracy.

CIS230 C - Cisco Networking 1

- Given the laboratory equipments, students will successfully complete at least 80% of the hands-on laboratory exercises
- Upon completion of the course students will be able to develop basic understanding of the network media and devices
- Upon completion of the course students will be able to develop basic understanding of the OSI model
- Upon completion of the course students will be able to develop basic understanding of the IP addressing and subnetting

CIS231 C - Cisco Networking 2

- Upon completion of the course students will be able to develop basic understanding of the general routing concepts
- Upon completion of the course students will be able to develop basic understanding of the router functions & troubleshooting
- Given the laboratory equipments, students will successfully complete at least 80% of the hands-on laboratory exercises
- Upon completion of the course students will be able to develop basic understanding of distance vector routing
- Upon completion of the course students will be able to develop basic understanding of link state routing

CIS232 C - Cisco Networking 3

- Given the laboratory equipments, students will successfully complete at least 80% of the hands-on laboratory exercises
- Upon completion of the course students will be able to develop basic understanding of Spanning Tree Protocol (STP) & VLAN Trunking Protocol (VTP)
- Upon completion of the course students will be able to develop basic understanding of switch configuration and troubleshooting
- Upon completion of the course students will be able to develop basic understanding of the general switch & wireless networking concepts
- Upon completion of the course students will be able to develop basic understanding of the Virtual Local Area Networks (VLANs)

CIS233 C - Cisco Networking 4

- Upon completion of the course students will be able to develop basic understanding of the access lists
- Upon completion of the course students will be able to develop basic understanding of the Point-to-Point Protocol (PPP)
- Given the laboratory equipments, students will successfully complete at least 80% of the hands-on laboratory exercises
- Upon completion of the course students will be able to develop basic understanding of the Network Address Translation (NAT) and IP version 6
- Upon completion of the course students will be able to develop basic understanding of the network security and troubleshooting

CIS234 C - Advanced Java Programming

- Upon completion of the course, students will be able to understand the advanced Java programming concepts such as swing, 2D graphics, files/streams, data structures, generics, collections, and multimedia, with 70% accuracy.
- Upon completion of the course, students will be able to use the open-source software Eclipse to write, test, and debug Java rich applications, graphical user interface, and multimedia with 70% accuracy.

CIS236 C - Intro to Oracle: SQL & PL/SQL

- Upon completion of the course students will be able to understand basic Oracle SQL database concepts such as tables, queries, reports, and database objects with 70% accuracy.
- Upon completion of the course students will be able to use Oracle SQL* Plus or Internet SQL commands to insert, update, and delete data with 70% accuracy.
- Upon completion of the course students will be able to use SQL* Plus commands to create and maintain database objects and users with 70% accuracy.

CIS239 C - CCNA Bootcamp

- Upon completion of the course, students will be able to develop basic understanding of advanced TCP/IP concepts and configurations
- Upon completion of the course, students will be able to develop basic understanding of LAN implementation concepts & configurations
- Upon completion of the course, students will be able to develop basic understanding of WAN implementation concepts & configurations
- Upon completion of the course, students will be able to develop basic understanding of advanced switching concepts and configurations

CIS241 C - Spreadsheet-Advanced MS Excel

- Upon completion of the Advanced Microsoft (MS) Excel 2010 course, the students will be able to demonstrate learned hands-on skills using Advanced MS Excel 2010 commands, functions and formulas with 70% accuracy.
- Upon completion of the Advanced Microsoft (MS) Excel 2010 course, the students will be able to understand advanced spreadsheet concepts related to MS Excel 2010 software with 70% accuracy.

CIS242 C - Database-Advanced MS Access

- Upon completion of the Advanced Microsoft (MS) Access 2010 course, the students will be able to understand advanced database concepts related to MS Access 2010 software with 70% accuracy.
- Upon completion of the Advanced Microsoft (MS) Access 2010 course, the students will be able to demonstrate learned hands-on skills using Advanced MS Access 2010 commands, functions and formulas with 70% accuracy.

CIS243 C - Linux Server Administration

- Students will apply the basic system administration concepts to design, implement, and test a Linux server in a given business environment.
- Students will demonstrate knowledge and skills to install, configure, maintain popular server packages (such as Apache) with capability to troubleshoot and resolve common issues.
- Students will demonstrate the skills required for an entry-level Linux administrator position.

CIS244 C - Java Game Programming

- Students will be given a course project to design and implement a multi-media computer game, create design documents for the game, and implement the game using Java's advanced 2D library to add animation and sound effects.
- Students will be given a Drawing game assignment, with which students will design and create a Java game similar to Microsoft Paint that allows players to draw lines and basic geometric shapes.
- Students will be given a GUI programming assignment. This assignment requires students to design and create a simple game to demonstrate their knowledge and skills of Java API.

CIS245 C - Perl Programming

- Students will create a Web program that stores data with session scope to provide individual data for a user during a session. Values for user preferences are temporarily stored in the Session_Start event in the script file.
- Students will write programs that use the language's controls on a page to validate user inputs and apply general expression rules to enhance the functionality of the validation, such as range checking or pattern matching.

- Write a program using two methods of authoring dynamic pages. The first is the method shown in the preceding samples, where the page code is physically declared within the originating Script file. An alternative approach--known as the code-behind method--enables the page code to be more cleanly separated from the HTML content into an entirely separate file.

CIS246 C - PHP Programming

- Students will create a Web program that stores data with session scope to provide individual data for a user during a session. Values for user preferences are temporarily stored in the Session_Start event in the script file.
- Students will write programs that use the language's controls on a page to validate user inputs and apply general expression rules to enhance the functionality of the validation, such as range checking or pattern matching.
- Write a program using two methods of authoring dynamic pages. The first is the method shown in the preceding samples, where the page code is physically declared within the originating Script file. An alternative approach--known as the code-behind method--enables the page code to be more cleanly separated from the HTML content into an entirely separate file.

CIS247 C - Python Programming

- Students will create a Web program that stores data with session scope to provide individual data for a user during a session. Values for user preferences are temporarily stored in the Session_Start event in the script file.
- Students will write programs that use the language's controls on a page to validate user inputs and apply general expression rules to enhance the functionality of the validation, such as range checking or pattern matching.
- Write a program using two methods of authoring dynamic pages. The first is the method shown in the preceding samples, where the page code is physically declared within the originating Script file. An alternative approach--known as the code-behind method--enables the page code to be more cleanly separated from the HTML content into an entirely separate file.

CIS250 C - Word Processing

- Upon completion of the first unit of the course, the student will be able to create, edit, format and print a simple document with a minimum of 70% accuracy.
- Upon completion of the first unit of the course, the student will be able to identify the terms and application procedures of basic editing and formatting of Microsoft Word with a minimum of 70% accuracy.
- Upon completion of the second unit of the course, the student will be able to create a Microsoft Word document with advanced procedures with a minimum of 70% accuracy.
- Upon completion of the second unit of the course, the student will be able to identify the terms and application procedures used in advanced Microsoft Word documents with a minimum of 70% accuracy.

CIS251 C - Advanced Word Processing

- Upon completion of the course, the student will be able to identify the terms and application procedures of merging Microsoft Word documents with a minimum of 70% accuracy.
- Upon completion of the first unit of the course, the student will be able to create a primary and secondary document and successfully merge the two documents into a new document with a minimum of 70% accuracy.
- Upon completion of the second unit of this course, the student will be able to create documents using a variety of advanced features of Microsoft Word with a minimum of 70% accuracy.

CIS252 C - Java Web & Mobile Applications

- Upon completion of the course, students will be able to understand the concepts related to Java web applications such as multithreading, networking, JDBC, JSP, JSF, and web services with 70% accuracy.
- Upon completion of the course, students will be able use the open-source software Eclipse to write, test, and debug Java multithreading and networking programs with 70% accuracy.

CIS253 C - Oracle PL/SQL Programming

- Students will be given a PL/SQL database design, implementation, and maintenance project. Students will create codes that change the framework in the database, update the data, and expand the size of database.
- Students will be given a PL/SQL programming project to create PL/SQL cursors, functions, procedures, packages, and error handling programs.
- Students will be given a Scripting project, which is a hands-on step-by-step code developing project to evaluation individual student's capability in writing scripts to enhance the functionality of 3D games.

CIS254 C - Mobile App. Development

- Create apps for the Google Android platform devices with 70% accuracy.
- Understanding how to test and publish Android applications with 100% accuracy.
- Upon completion of the course, students will gain understanding of the development cycle for mobile devices including building, testing, and deployment with 70% accuracy.

CIS257 C - Storage Management and Cloud Computing

- Students will be able to create and configure RAID partitions
- Students will be able to create iSCSI targets on Openfiler and connect iSCSI target via Windows iSCSI initiator, and via Linux
- Students will be assessed based on the final exam

CIS258 C - CCNA Security

- Upon completion of the course students will be able to implement Virtual Private Networks
- Upon completion of the course students will be able to secure a local area network
- Upon completion of the course students will be able to understand authentication, authorization, and accounting
- Upon completion of the course students will be able to understand the CCNA security concepts

CIS260 C - Game Concepts Development

- Given a set of user requirements, with 80% accuracy or higher, students will be able to use the Game Maker game engine to design and build their own game as the midterm project involving the various elements of the learned skills from chapter one to five (User Interface, Sprites, Objects, Instances, Backgrounds, Sounds, Animations, and Interactivity) and combining these with the design restrictions.
- Given a set of user requirements, with 80% accuracy or higher, students will be able to use the Game Maker game engine to enhance the midterm game as their final project using the advanced features of the learned skills from chapter six to nine (Events, Tiles, Variables, Properties, and Game Design) and combining these with the design restrictions.

CIS261 C - Game Programming

- Students will be given a course project to design and implement a multi-media computer game, create design documents for the game, and implement the game using a generic API's advanced library to add animation and sound effects.
- Students will be given a generic Drawing game assignment, with which students will design and create a GUI game similar to Microsoft Paint that allows players to draw lines and basic geometric shapes.
- Students will be given a generic GUI programming assignment. This assignment requires students to design and create a simple game to demonstrate their knowledge and skills of game programming.

CIS262 C - New Technology

- While working in a computer lab on the day of the final exam, with 80% accuracy or higher, students will be able to build a Web page with HTML tags and attributes.
- While working in a computer lab on the day of the final exam, with 80% accuracy or higher, students will be able to display all IP information about their networked computers.
- While working in a computer lab on the day of the final exam, with 80% accuracy or higher, students will be able to trace the number of hops between their computers and a destination computer determined by the instructor.

CIS263 C - Mobile Game Programming

- Students will be given a course project to design and implement a multi-media computer game, create design documents for the game, and implement the game using mobile APIs' advanced library to add animation and sound effects.
- Students will be given a Drawing game assignment, with which students will design and create a mobile game similar to Microsoft Paint that allows players to draw lines and basic geometric shapes.
- Students will be given a GUI programming assignment. This assignment requires students to design and create a simple game to demonstrate their knowledge and skills of mobile APIs.

CIS264 C - Windows Game Programming

- Students will be given a Course project to design and implement a multi-media computer game, create design documents for the game, and implement the game using Visual Studio, DirectX, Direct3D, and Windows GDI.
- Students will be given a Drawing game assignment, with which students will design and create a Windows game similar to Microsoft Paint that allows players to draw lines and basic geometric shapes.
- Students will be given a GUI programming assignment. This assignment requires students to design and create a simple game to demonstrate their knowledge and skills of Win32 API.

CIS265 C - 3D Game Programming

- Students will be given a 3D modeling project, which is a simple but complete project, using open source software to develop 3D graphics and sprites, and then combine background graphics with terrain and sprites.
- Students will be given a Scripting project, which is a hands-on step-by-step code developing project to evaluation individual student's capability in writing scripts to enhance the functionality of 3D games.
- Students will be given a Theme transition programming. Students will create codes that change the 3D game themes when the player uses mouse cursor or keyboard to enter a scene through an pre-programmed entrance.

CIS271 C - Computer Forensics in Practice

- Given a crime scene scenario, students will demonstrate knowledge in techniques of physical collection, transporting digital evidence from a crime scene, and identifying ownership of a known perpetrator. The measurement is based on a 100-point scale with 100% accuracy of the expected result.
- Students will be asked to demonstrate knowledge and skills of using logging and report generation of an open source forensic tools to produce a final report of their forensics investigation. The measurement is based on a 100-point scale with 100% accuracy of the expected result.
- With a given criminal case, students will analyze and discuss a case in which Company A claims its network was compromised by a connection to Company B network. Student will develop a strategy for both companies and explain who should be involved in this case. The measurement is based on a 100-point scale with 100% accuracy of the expected result.

CIS272 C - Computer Forensics New Challenge

- Given a crime scene scenario, students will demonstrate knowledge in techniques of physical collection, transporting digital evidence from a crime scene, and identifying ownership of a known perpetrator. The measurement is based on a 100-point scale with 100% accuracy of the expected result.
- Students will be asked to demonstrate knowledge and skills of using logging and report generation of an open source forensic tools to produce a final report of their forensics investigation. The measurement is based on a 100-point scale with 100% accuracy of the expected result.
- With a given criminal case, students will analyze and discuss a case in which Company A claims its network was compromised by a connection to Company B network. Student will develop a strategy for both companies and explain who should be involved in this case. The measurement is based on a 100-point scale with 100% accuracy of the expected result.

CIS273 C - Computer Forensics Tools

- Given a crime scene scenario, students will demonstrate knowledge in techniques of physical collection, transporting digital evidence from a crime scene, and identifying ownership of a known perpetrator. The measurement is based on a 100-point scale with 100% accuracy of the expected result.
- Students will be asked to demonstrate knowledge and skills of using logging and report generation of an open source forensic tools to produce a final report of their forensics investigation. The measurement is based on a 100-point scale with 100% accuracy of the expected result.
- With a given criminal case, students will analyze and discuss a case in which Company A claims its network was compromised by a connection to Company B network. Student will develop a strategy for both companies and explain who should be involved in this case. The measurement is based on a 100-point scale with 100% accuracy of the expected result.

CIS274 C - Project Management Fundamentals

- Articulate the value of project risk management in the broader context of enterprise risk management considering both threats and opportunities posed by environmental factors.
- Employ critical-thinking and analytical skills to investigate complex business problems to propose project-based solutions that are derived from project management theory and practice.
- Evaluate management by projects as an emerging business model in the context of managing complexity, managing change, and optimizing business performance in a dynamic environment.

CIS275 C - Advanced Python Programming

- Students will apply the basic software engineering concepts to design, implement, and test a solution for applications when given a set of requirements.
- Students will demonstrate proficiency with the logical use of programming concepts with capability to recognize when and how to use the designated data structures and algorithms.
- Students will demonstrate the ability to build application with intermediate-level features for larger, more complex, higher-quality software.

CIS276 C - Computer Forensics I

- Given a crime scene scenario, students will demonstrate knowledge in techniques of physical collection, transporting digital evidence from a crime scene, and identifying ownership of a known perpetrator. The measurement is based on a 100-point scale with 100% accuracy of the expected result.
- Students will be asked to demonstrate knowledge and skills of using logging and report generation of an open source forensic tools to produce a final report of their forensics investigation. The measurement is based on a 100-point scale with 100% accuracy of the expected result.
- With a given criminal case, students will analyze and discuss a case in which Company A claims its network was compromised by a connection to Company B network. Student will develop a strategy for both companies and explain who should be involved in this case. The measurement is based on a 100-point scale with 100% accuracy of the expected result.

CIS277 C - Computer Forensics II

- Given a crime scene scenario, students will demonstrate knowledge in techniques of physical collection, transporting digital evidence from a crime scene, and identifying ownership of a known perpetrator. The measurement is based on a 100-point scale with 100% accuracy of the expected result.
- Students will be asked to demonstrate knowledge and skills of using logging and report generation of an open source forensic tools to produce a final report of their forensics investigation. The measurement is based on a 100-point scale with 100% accuracy of the expected result.
- With a given criminal case, students will analyze and discuss a case in which Company A claims its network was compromised by a connection to Company B network. Student will develop a strategy for both companies and explain who should be involved in this case. The measurement is based on a 100-point scale with 100% accuracy of the expected result.

CIS278 C - Cyber Crime

- Given a crime scene scenario, students will demonstrate knowledge in preparing a report to define, describe, and illustrate the cybercrime to be used as an official record.
- Students will be asked to discuss whether or not ethical hacking is a crime, whether or not it should be considered as security mechanism, and how to define the boundary of ethical hacking.
- With a given criminal case, students will analyze and discuss a case in which Company A claims its network was compromised by a connection to Company B network. Student the type of crime(s) involved in this case.

CIS279 C - Computer Forensics Legal Aspects

- Given a case study. Students will determine which digital forensic evidence they proposed for admission in court can satisfy the conditions and requirements from the legal aspects.
- Given a hands-on activity. Students will use advanced tools to recover deleted, corrupted or damaged files from hard discs, flash drives and other storage media. A complete examination of windows registry, drives, cookies, deleted files, emails and all other relevant locations is done to find any clue to prosecute the case in law courts.
- Students will conduct a research to discuss the legal foundation makes forensics tools and techniques for recovery, handling, analysis and preservation of digital evidence unique among the technical arcana of IA, as opposed to firewalls, anti-virus, routing, or intrusion detection, among others.

CIS280 C - Analysis of Digital Media

- Given a crime scene scenario, students will demonstrate knowledge in techniques of physical collection, transporting digital evidence from a crime scene, and identifying ownership of a known perpetrator. The measurement is based on a 100-point scale with 100% accuracy of the expected result.
- Students will be asked to demonstrate knowledge and skills of using logging and report generation of an open source forensic tools to produce a final report of their forensics investigation. The measurement is based on a 100-point scale with 100% accuracy of the expected result.
- With a given criminal case, students will analyze and discuss a case in which Company A claims its network was compromised by a connection to Company B network. Student will develop a strategy for both companies and explain who should be involved in this case. The measurement is based on a 100-point scale with 100% accuracy of the expected result.

CIS281 C - Computer Forensics Capstone

- In-class and take-home learning activities will be assigned to students to promote self-learning skills, research techniques, and question-to-answer formulation capability.
- Student must complete a mock real life examination including various stages and pieces of digital media. Students are required to build their report and analysis upon findings in each of the previous items examined.
- Students are required to conduct a project and prepare report that substitutes the function of an in-house project manager to inform all concerned agencies and departments about the project on its digital evidence collection as well as investigation progress.

CIS295 C - CIS Internship

- Given the monitoring and coaching provided by the internship supervisor, students will acquire/further establish supplemental skills required for employment in the IT field.

CIS298 C - Computer Information Systems Seminar

- The student will be able to complete the course lab activity requirements with a minimum of 70% proficiency.
- Upon successful completion of the course, the student will be able to perform the following with a minimum of 70% proficiency. 1. Apply the requirements of a changing profession. 2. Use microcomputer laboratory equipment. 3. Employ computer information systems skills.

CIS298AC - Storage Management and Cloud Computing

- Students will be able to create and configure RAID partitions
- Students will be able to create iSCSI targets on Openfiler and connect iSCSI target via Windows iSCSI initiator, and via Linux
- Students will be able to develop basic understanding of Information Storage Management and Cloud Computing concepts

CIS299 C - CIS Independent Study

- The student will complete the course requirements with a minimum of 70% proficiency.

Court Reporting Dept.**CSLO****CTRP030 C - CR Beginning Practice Lab**

- Upon completion of the course, the student will have developed individual study skills and practice techniques in order to advance to the next speed level.
- Upon completion of the course, the student will have enhanced and developed stenographic skills while applying theory concepts to the keyboard to write steno outlines with 98 percent accuracy.

CTRP031 C - CR Intermediate Practice Lab

- Students will achieve 70 percent or higher on the assessment.
- Upon completion of this course, the student will be able to prepare and transcribe material dictated at 140 words per minute in transcript format following the state of California Court Reporter's Board guide for transcription.

CTRP033 C - Internship: Agency Services

- Upon completion of the course, the student will be able to provide a detailed analysis of agency operations, functions, and management

styles.

- Upon completion of the course, the student will demonstrate on-the-job proficiency in working in a court reporting agency.

CTRP034 C - Internship: Court Services

- Upon completion of the course, the student will be able to provide an analysis of the potential career paths available in the state and/or Federal court system for clerical employees.
- Upon completion of the course, the student will demonstrate on-the-job proficiency in working in a clerical position in the state and/or Federal court system.

CTRP035 C - Advanced Practice Lab

- Upon completion of this course, the student will be able to read and write steno at speeds of 180 words per minute.
- Upon completion of this course, the student will be able to transcribe and prepare a properly formatted transcript of material dictated at 180 words per minute within the guidelines set by the Court Reporter's Board.

CTRP036 C - CR High Speed Proficiency Lab

- Upon completion of this course, the student will be able to take dictation at 220 words per minute for sustained periods of time up to 15 minutes. 2. Upon completion of this course, the student will be able to produce a transcript of material dictated at 220 words per minute using proper formatting, punctuation, capitalization, and numeric designations.

CTRP037 C - CR Qualifier Lab

- Upon completion of this course, the student will be able to produce a 10-minute transcript of live dictated material at 200 words per minute to meet the state standards of testing.
- Upon completion of this course, the student will be able to produce a transcript of material dictated at 220 words per minute for five minute to meet the national standards of testing.

CTRP038 C - Computer Aided Trans. Lab

- Upon completion of this course, the student will demonstrate advanced applications of CAT software to produce court-related documents.
- Upon completion of this course, the student will demonstrate an advanced level of realtime translation abilities using a personal dictionary to produce a transcript.

CTRP039 C - Internship-Legal Transcription

- Upon completion of the course, the student will be able to prepare a finished transcript, using proper formatting, paragraphing, and presentation.
- Upon completion of the course, the student will be prepared to record and edit legal material.

CTRP040 C - Beg. Machine Shorthand Theory

- Upon completion of the course, the student will demonstrate writing fluency, accuracy, and proficiency in all aspects of the stenographic keyboard with 80 percent accuracy.
- Upon completion of the course, the student will have developed stenographic skills in order to apply theory concepts to the keyboard to write steno outlines with 80 percent accuracy.

CTRP041 C - Court Reporting Theory Review

- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording stenographically and transcribing theory material at 60 words per minute for three minutes within the 95 percent range of accuracy.

CTRP042 C - Machine Shorthand Speed Bldg 1

- Upon completion of the course, the student will accurately transcribe and create a transcript of dictated material within the 95 percent range of accuracy.

CTRP043 C - Machine Shorthand Speed Bldg 2

- Upon completion of the course, the student will accurately transcribe and create a transcript of dictated material within the 95 percent range of accuracy.
- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording business letters and memoranda dictated at 100 words per minute for five minutes.

CTRP044 C - Machine Shorthand Speed Bldg 3

- Upon completion of the course, the student will accurately transcribe and create a transcript of dictated material within the 95 percent range of accuracy.
- Upon completion of the course, the student will be able to spell, define, and write stenographically Latin and French and other foreign legal terms within an 80 percent range of accuracy.
- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording jury charge and literary material dictated at 120 words per minute.

CTRP045 C - Machine Shorthand Speed Bldg 4

- Upon completion of the course, the student will accurately transcribe and create a transcript of dictated material within the 95 percent range of accuracy.

- Upon completion of the course, the student will be able to spell, define, and write stenographically Latin and French and other foreign language legal terms within an 80 percent range of accuracy.
- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording jury charge and literary material dictated at 140 words per minute for five minutes.

CTRP046 C - Machine Shorthand Speed Building 5

- Upon completion of the course, the student will accurately transcribe and create a transcript following California formatting guidelines for dictated material within the 98 percent range of accuracy.
- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording two-, three-, four-, and five-voice material dictated at 160 words per minute for five minutes.

CTRP047 C - Machine Shorthand Speed Building 6

- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording two-, three-, four-, and five-voice material dictated at 180 words per minute for ten minutes.
- Upon completion of the course, the student will accurately transcribe and create a transcript of dictated material following California formatting guidelines for dictated material within the 98 percent range of accuracy.

CTRP048 C - Machine Shorthand Speed Building 7

- Upon completion of the course, the student will accurately transcribe and create a transcript of dictated material following California formatting guidelines for dictated material within the 98 percent range of accuracy.
- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording two-, three-, four-, and five-voice material dictated at 200 words per minute for 15 minutes.

CTRP049 C - Machine Shorthand Speed Building 8

- Upon completion of the course, the student will accurately transcribe and create a transcript of dictated material following California formatting guidelines for dictated material within the 98 percent range of accuracy.
- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording two-, three-, four-, and five-voice material dictated by 220 words per minute for five minutes.
- Upon completion of this course, the student will be able to define, write, and spell advanced vocabulary terms and advanced number application rules within an 80 percent range of accuracy.

CTRP050 C - CSR/RPR Directed Practice

- The student will be able to successfully transcribe test (take) material within the accuracy parameters of the Court Reporter's Board and the National Court Reporter's Association.

CTRP051 C - Court/Conf. Reporting: Legal

- Upon completion of the course, the student will accurately transcribe and create a transcript following California guidelines for formatting for dictated material within the 95 percent range of accuracy.
- Upon completion of the course, the student will apply theory concepts in writing a variety of specialized steno outlines for numbers, letter-by-letter spelling, and realtime concepts within a range of 80 percent accuracy.
- Upon completion of the course, the student will be able to punctuate and format transcripts within an 80 percent range of accuracy.
- Upon completion of the course, the student will apply theory concepts to further develop writing proficiency of legal material, both jury charge and two-voice testimony, dictated at 100 words per minute for three minutes.

CTRP052 C - Court/Conf. Rptg: Medical

- Upon completion of the course, the student will accurately transcribe and create a transcript for dictated medical material within the 95 percent range of accuracy.
- Upon completion of the course, the student will be able to define, spell, and write stenographically medical roots, suffixes, and prefixes within an 80 percent range of accuracy.
- Upon completion of the course, the student will develop further proficiency in order to accurately record medical reports and medical testimony dictated at 140 words per minute.

CTRP053 C - Court/Conf. Rptg: Congressional

- Upon completion of the course, the student will accurately transcribe and create a transcript following congressional record guidelines for dictated material within the 95 percent range of accuracy.
- Upon completion of the course, the student will be able to define, spell, and write stenographically congressional record material within an 80 percent range of accuracy.
- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording congressional record material dictated at 180 words per minute.

CTRP054 C - Two/Four Voice Testimony

- Upon completion of the course, the student will accurately transcribe and create a transcript of dictated material following California formatting guidelines for dictated material within the 98 percent range of accuracy.
- Upon completion of the course, the student will be able to accurately format and follow rules of capitalization, abbreviation, and number usage on transcripts within an 80 percent range of accuracy.

- Upon completion of the course, the student will demonstrate proficiency in recording material for two-, three-, four-, and five-voice material dictated at 140 words per minute.

CTRP055 C - Court/Conf. Rptg: Jury Charge

- Upon completion of the course, the student will accurately transcribe and create a transcript of dictated material following California formatting guidelines for dictated material within the 95 percent range of accuracy.
- Upon completion of the course, the student will be able to define, spell, and write advanced vocabulary words within an 80 percent range of accuracy.
- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording jury charge material at 160 to 180 words per minute.

CTRP056 C - Court/Conf. Rptg: Jury Charge

- Upon completion of the course, the student will accurately transcribe and create a transcript following California formatting guidelines for dictated material within the 95 percent range of accuracy.
- Upon completion of the course, the student will be able to define, spell, and write advanced vocabulary words within an 80 percent range of accuracy.
- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording jury charge material dictated at speeds ranging from 180 to 200 words per minute.

CTRP057 C - Machine Shorthand Challenge-160

- Upon completion of the course, the student will accurately transcribe and create a transcript of dictated material following California formatting guidelines for dictated material within the 98 percent range of accuracy.
- Upon completion of the course, the student will be able to apply advanced formatting, capitalization, and abbreviations rules to the production of a completed transcript within the 80 percent range of accuracy.
- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording multiple-voice testimony at 160 words per minute for one minute.

CTRP058 C - Machine Shorthand Challenge-180

- Upon completion of the course, the student will accurately transcribe and create a transcript of dictated material following California formatting guidelines for dictated material within the 98 percent range of accuracy.
- Upon completion of the course, the student will be able to apply advanced punctuation rules to the production of a completed transcript within the 80 percent range of accuracy.
- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording multiple-voice testimony at 180 words per minute for one minute.

CTRP059 C - Machine Shorthand Challenge-200

- Upon completion of the course, the student will accurately transcribe and create a transcript of dictated material following California formatting guidelines for dictated material within the 98 percent range of accuracy.
- Upon completion of the course, the student will be able to define, spell, and write stenographically conflict-free outlines for English language homonyms within the 80 percent range of accuracy.
- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording multiple-voice testimony at 200 wpm for one minute.

CTRP060 C - Machine Shorthand Challenge-220

- Upon completion of the course, the student will accurately transcribe and create a transcript of dictated material following California formatting guidelines for dictated material within the 98 percent range of accuracy.
- Upon completion of the course, the student will be able to spell and write stenographically conflict-free outlines for advanced vocabulary in the English language within the 80 percent range of accuracy.
- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording multiple-voice testimony at 220 words per minute.

CTRP062 C - Notary Public Exam Preparation

- Upon completion of the course, students will learn the required document verification guidelines that are necessary in order to notarize documents and pass the California Notary Public examination.

CTRP065 C - Advanced CAT Systems

- Upon completion of the course, the student will be able to create transcripts and other court reporting related documents using court reporting software applications.
- Upon completion of the course, the student will have developed advanced skills in computer application of court reporting software.

CTRP066 C - Machine Transcription-Medical

- Upon completion of the course, the student will be able to define and spell advanced medical terminology within an 80 percent range of accuracy.
- Upon completion of the course, the student will demonstrate proficiency in producing medical transcriptions of doctor's reports, case histories, and hospital records prepared on the computer keyboard.

CTRP067 C - Basic Vocabulary Development

- Upon completion of the course, the student will demonstrate accurate spelling skills using basic vocabulary.
- Upon completion of the course, the student will demonstrate reading and writing proficiency using basic vocabulary skills.
- Upon completion of the course, the student will have gained a knowledge of the use of references resources and materials for vocabulary enrichment.

CTRP068 C - Adv. Vocabulary Development

- Upon completion of the course, the student will demonstrate accurate spelling skills using advanced vocabulary.
- Upon completion of the course, the student will demonstrate reading and writing proficiency using advanced vocabulary skills.

CTRP070 C - Computer Aided Transcription: Stenocat

- Upon completion of the course, the student will create simplified court documents using court reporting application StenoCAT software.
- Upon completion of the course, the student will demonstrate basic skills in the operation of computer application software for court reporting using StenoCAT.

CTRP071 C - Legal Terminology & Rhetoric

- The student will develop a mastery of legal terminology as applied to civil, criminal, and cases in equity situations.

CTRP072 C - Legal Procedures

- Upon completion of the course, the student will create law office documents, both court and non-court with a high degree of speed and accuracy using computer applications
- Upon completion of the course, the student will demonstrate practical law office skills and knowledge of law office documents, both court and non-court.

CTRP073AC - Spelling for Modern Business

- Upon completion of the course, the student will demonstrate a basic knowledge of antonyms, homonyms, and synonyms.
- Upon completion of the course, the student will demonstrate a basic knowledge of spelling legal, medical, and technical words.

CTRP073BC - Punctuation - Court Reporting

- Upon completion of the course, the student will demonstrate basic punctuation skills when applied to both court and non-court documents.
- Upon completion of the course, the student will demonstrate knowledge of styles and rules used in punctuating both court and non-court documents.

CTRP073CC - Formatting, Style & Usage

- Upon completion of the course, the student will create and format court and deposition documents using the computer keyboard.
- Upon completion of the course, the student will demonstrate knowledge of basic California formatting rules and regulations as they pertain to court and depositions documents.

CTRP073DC - Proofreading

- Upon completion of the course, the student will create and format court documents using the computer keyboard
- Upon completion of the course, the student will demonstrate ability to proofread and edit court and non-court documents.

CTRP074 C - CSR-RPR-CBC-CCP Exam Prep.

- Upon completion of the course, the student will be eligible to take state and national academic testing examinations.
- Upon completion of the course, the student will demonstrate advanced level knowledge in all academic subject areas of court reporting: English, Legal Terminology, Law, Medical Terminology, Procedures, and State and Local Government codes.

CTRP075 C - Simulated Courtroom

- Upon completion of the course, the student will demonstrate applied stenographic skills in order to take live four-voice dictation in a deposition setting at speeds ranging from 160 to 230 words per minute with 98 percent accuracy.
- Upon completion of the course, the student will demonstrate applied stenographic skills in order to take live four-voice dictation in the courtroom at speeds ranging from 160 to 230 words per minute with 98 percent accuracy.

CTRP076 C - Court & Deposition Procedures

- Upon completion of the course, the student will demonstrate advanced levels of knowledge and application of rules and regulations of courtroom procedures and trial structure as it pertains to California Rules of Court.
- Upon completion of the course, the student will demonstrate advanced levels of knowledge and application of rules and regulations of deposition procedures.

CTRP077 C - Dictation and Transcription

- Upon completion of the course, the student will accurately transcribe and create a transcript of dictated material following California and National formatting guidelines for dictated material at accuracy ranges of 95 to 98 percent.
- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording testimony, jury charge, and literary material for reinforcement, skill development, and speed advancement.

CTRP078 C - Internship: Medical Reporting

- Upon completion of the course, the student will create a finished transcript of medical proceedings recorded in the internship setting.
- Upon completion of the course, the student will demonstrate on the job proficiency in recording medical testimony.

CTRP079 C - Internship- CART

- Upon completion of the course, the student will create a finished transcript of CART proceedings recorded in the internship setting.
- Upon completion of the course, the student will demonstrate on the job proficiency in recording CART proceedings.

CTRP080 C - Internship: Law Office

- Upon completion of the course, the student will create a detailed analysis of law office duties and responsibilities.
- Upon completion of the course, the student will demonstrate on the job proficiency in working in a law office or similar legal environment.

CTRP081 C - Internship - Court Reporting

- Upon completion of the course, the student will create a deposition transcript and a court transcript of reported proceedings recorded in the internship setting.
- Upon completion of the course, the student will demonstrate on the job proficiency in recording deposition and courtroom testimony.

CTRP082 C - Computer Aided Transcription: ProCAT

- Upon completion of the course, the student will create simplified court documents using court report application ProCAT software.
- Upon completion of the course, the student will demonstrate basic skills in the operation of computer application software for court report using ProCAT.

CTRP083 C - Comp. Aided Trans: Stenograph

- Upon completion of the course, the student will create simplified court documents using court reporting application software.
- Upon completion of the course, the student will demonstrate basic skills in the operation of computer application software for court reporting using Stenograph applications.

CTRP084 C - Comp. Aided Trans - Eclipse

- Upon completion of the course, the student will create simplified court documents using court reporting application Eclipse software.
- Upon completion of the course, the student will demonstrate basic skills in the operation of computer application software for court reporting using Eclipse.

CTRP085 C - Comp. Aided Trans: Dict/Bldg

- Upon completion of the course, the student will demonstrate proficiency in resolving writing issues that occur such as computer conflicts, non-translates, and word boundary issues.
- Upon completion of the course, the student will have created a stenographic dictionary of 12,000 words.

CTRP086 C - Internship - Proofreading

- Upon completion of the course, the student will create an edited transcript from an actual court or deposition transcript.
- Upon completion of the course, the student will demonstrate on the job proficiency in proofing and editing deposition and courtroom documents.

CTRP087 C - Internship - Hearing Reporter

- Upon completion of the course, the student will create a finished transcript of a recorded proceeding while in the internship setting.
- Upon completion of the course, the student will demonstrate on the job proficiency in recording hearings, seminars, and meetings.

CTRP088 C - Internship - Captioning

- Upon completion of the course, the student will create the captioning for a selected set of videos or video with 98-100 percent accuracy.
- Upon completion of the course, the student will demonstrate on the job proficiency in captioning videos and television programs.

CTRP089 C - Court & Conf. Rptg.: Lit. II

- The student will be able to accurately record and transcribe literary material at speeds ranging from 140 to 180 wpm.

CTRP090 C - Court/Conf. Rptg: Literary

- Upon completion of the course, the student will accurately transcribe and create a transcript of dictated material within the 95 percent range of accuracy.

- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording literary material dictated at speeds ranging from 110 to 150 words per minute for three minutes.

CTRP091 C - Advanced Dictionary Build

- Upon completion of the course, the student will demonstrate proficiency in resolving writing issues that occur such as computer conflicts, non-translates, numeric issues, and word boundary problems.
- Upon completion of the course, the student will have created a stenographic dictionary of 18,000 words.

CTRP092 C - Realtime Writing Concepts

- Upon completion of the course, the student will create documents using computer-assisted transcription software within a range of accuracy of 96 percent or more
- Upon completion of the course, the student will define and differentiate prefixes, suffixes, and vowels in order to develop a conflict-free writing style.
- Upon completion of the course, the student will demonstrate advanced keyboarding skills in order to create a conflict-free dictionary.

CTRP093 C - Information Technology - CTRP

- Upon completion of the course, the student will demonstrate further knowledge of hardware, software, research links, auxiliary equipment, information technology, and CAT industry requirements.
- Upon completion of the course, the student will have made a minimum of three contacts with software vendors, working reporters, agency managers, captionists, and CART reporters.

CTRP094 C - Expert Testimony-Prof Reporter

- Upon completion of the course, the student will demonstrate advanced keyboard applications using expert testimony to develop and refine the steno dictionary.
- Upon completion of the course, the student will write and stenographically create expert testimony transcripts from dictated material.

CTRP095 C - Realtime Writing-Prof Reporter

- Upon completion of the course, the student will create computer compatible outlines and develop a conflict-free dictionary.
- Upon completion of the course, the student will demonstrate development and refinement of the CAT dictionary to resolve conflicts, word boundary issues, and non-translates.

CTRP096 C - Court & Conf. Rptg.:Lit. III

- Upon completion of the course, the student will accurately transcribe and create a transcript of dictated material within the 95 percent range of accuracy.
- Upon completion of the course, the student will demonstrate proficiency on the steno machine by accurately recording literary material at speeds ranging from 180 to 220 words per minute for three minutes.

CTRP097 C - Internship - Scoping/Editing

- Upon completion of the course, the student will create an edited transcript from an actual court or deposition transcript.
- Upon completion of the course, the student will demonstrate on the job proficiency in scoping and editing deposition and courtroom documents.

CTRP098 AC - Internship: Scoping/Editing

- The student will be able to scope, edit, and prepare a final legal document or transcript.

CTRP098 BC - Internship: Agency Services

- The student will be able to successfully perform a variety of agency related clerical tasks and demonstrate proficiency and accuracy while doing so.

CTRP098 C - Court Reporting Seminar

- Upon completion of the course, the student will demonstrate academic proficiency in selected areas of court reporting.

CTRP098 CC - Internship: Court Services

- The student will be able to perform selected tasks and duties relative to clerical and administrative tasks required of court employees in the state of California.

CTRP099 C - Court Rptg. Independent Study

- Upon completion of the course, the student will demonstrate proficiency in a selected topic which requires outside research and independent study.

Management Dept.

CSLO

MGT055 C - Business English

- Students will be able with 70% accuracy develop greater vocabulary and spelling proficiency.
- Students will be able with 70% accuracy learn basic grammar and punctuation.

MGT085 C - Business Planning

- Upon completion of course students (70% or greater) will know why a business plan is essential for a business and the purposes and uses of a plan.
- Upon completion of the course students (70 % or greater) will know what information to include in the plan and the various sections.

MGT086 C - Business Finance-Recordkeeping

- Upon completion of the course students will understand (70 % or better) the basic fundamentals of funding a new business, sources and uses of funds and financial cycles.
- Upon completion of the course students will understand (70% or better) the basic accounting principles and ways to improve business profitability.

MGT087 C - Computer Technology for Small Business

- Students will be able to determine (at 75% accuracy or better) which business functions can be performed by using a computer and related software.
- Students will know (with 75% accuracy or better) how to use computer programs and the Internet to extend their businesses beyond the "brick-and-mortar" level.

MGT088 C - Managing Personnel

- Upon completion of course students will know how to create employee job descriptions(at 70% or above level).
- Upon completion of course students will know what methods to use to find, train and motivate qualified workers (at 70% or above level).

MGT089 C - Business Law - Small Business

- Upon completion of the course students (at a 70% or better level) will be able to identify the relevant legal paperwork, permits and laws that apply to business
- Upon completion of the course students (at a 70% or better level) will have a working vocabulary and knowledge of the legal issues that pertain to small business.

MGT101 C - Personal Finance

- Upon completion of the course students (70% or better) will know how to utilize financial tools, such as budgets, balance sheets and purchase evaluations, to manage their own expenditures, savings and investments.
- Upon completion of the course students (70% or better) will understand the roles that the various financial institutions play in saving and investing.

MGT102 C - Financial Literacy

- Upon completion of the course students (70% or better) will understand how to make wise financial decisions based on economic, political/legal and social factors.
- Upon completion of the course students (70% or better) will understand the key financial concepts of saving and investing to ensure their economic future.

MGT111 C - Business Communications

- Students will be able with 70% accuracy or better be able to develop greater vocabulary and spelling proficiency.
- Students will be able with 70% accuracy or better be able to develop the fundamentals of English grammar: parts of speech, sentence structure, punctuation and capitalization.

MGT143 C - Introduction to Legal Research

- Students will be able with 70% or greater accuracy to possess an understanding of legal reference materials.
- Students will be able with 70% or greater accuracy will be able to use annotated codes to locate statutory law.

MGT151 C - Business Mathematics

- Students will be able with 70% or greater accuracy be able to compute depreciation, personal insurance, and payroll.
- Students will be able with 70% or greater accuracy compute compound interest, cash discounts, and mark up/mark downs.

MGT161 C - Introduction to Business

- Upon completion of the course, each student will know at 70 percent or better the types of job skills needed in the workplace and how businesses develop strategies and tactics to compete in the marketplace.
- Upon completion of the course, each student will understand(at a 70% proficiency level)the principles and practices of business organizations - management, marketing, finance, accounting, entrepreneurship and technology

MGT199 C - Management Independent Study

- Upon completion of the course students (70% or better) will have an understanding of the manager's role in the work world.
- Upon completion of the course students (70% or better) will have an understanding of the types of skills that are necessary to be a leader in a business organization.

MGT211 C - Writing for Business

- Students will learn to create written and oral business reports that adequately convey their message at an average level or better.
- Students will learn to create written and oral business reports using appropriate terminology, capitalization, grammar, and punctuation at an average level or better.

MGT240 C - Legal Environment of Business

- Upon successful completion of the course the student will be able to: Define, analyze, and apply usable legal vocabulary in the discussion of a variety of legal issues.
- Upon successful completion of the course the student will be able to: Identify and contrast the roles of legislatures, courts and administrative agencies in the legal environment.

MGT261 C - Small Business Management

- Upon completion of the class students (70% or better) will know how to prepare a business plan for a new or existing business.
- Upon completion of the class students (70% or better) will know the steps it takes to start and run a business.

MGT262 C - Principles of Management

- Upon completion of the class, students (with a 70% proficiency level) will know how to organize resources - people, finances, facilities, and equipment - to create an environment that encourages leadership and creativity.
- Upon completion of the class, students (with a 70% proficiency level) will understand the principles that apply to managing people in an organization, dividing tasks, and accomplishing objectives.

MGT265 C - Social Responsibility of Business

- Upon completion of the course, students will understand (at a 70% proficiency level) the types of responsibilities that businesses have to society as a whole and the natural environment.
- Upon completion of the course, students will understand (at a level of "average" or "superior") the various ways that businesses can demonstrate that they are behaving in responsible and ethical ways.

MGT266 C - Human Relations in Business

- Upon successful completion of the class (at a 70% proficiency level), students will understand the human dynamics of how people relate to each other in an organization
- Upon successful completion of the class, students will know how to utilize (at a 70% proficiency level) the various organizational behavior techniques of Management by Objectives, Total Quality Management, Maslow and McGregor's theories and to interact with and motivate others.

MGT267 C - Principles of Supervision

- Students will be able to with 70% or greater accuracy be able to demonstrate effective leadership.
- Students will be able to with 70% or greater accuracy know the fundamentals techniques to motivate people.

MGT268 C - Human Resources Management

- Students will be able with 70% or greater accuracy master leadership and supervision techniques.
- Students will be able with 70% or greater accuracy master the fundamentals of human resources management.

MGT295 C - Management Internship

- Upon completion of the course students (70% or better) will have an understanding of what it is like to work in their chosen field.
- Upon completion of the course students (70% or better) will have updated their resumes and created a career plan for working in their chosen fields.

Marketing Dept.

CSLO

MKT086 C - Sales Prospecting

- Students will be able to determine (at a 70% or better level) which prospecting techniques are most suited to their individual circumstances.
- Students will know (70% or better) the various sales prospecting techniques to use and the advantages/disadvantages of each.

MKT087 C - Sales Presentations

- Students will be able to determine (at 70% or better) which presentation methods are most suited based on the product, customer and resources.
- Students will learn (at a 70% or better level) the various sales presentation techniques to use in order to engage the customer.

MKT088 C - Handling Sales Objections

- Upon completion of the course, students (70% or better) will understand the various sales techniques for handling objections and the advantages and disadvantages of each.
- Upon completion of the course, students will be able to determine (70% or better) which techniques to employ in specific situations.

MKT089 C - Making the Sale

- Students will know (at a level of 70% or better) which closing techniques to use in specific situations.
- Upon completion of the course, students will understand (at 70% or better) the various closing techniques to use and the advantages and disadvantages of each.

MKT090 C - Marketing Essentials

- Upon completion of the class, students (70% or better) will be able to define and utilize the key marketing functions.
- Upon completion of the course students (70% or better) will be able to understand and employ the marketing mix elements (product, price, promotion, place).

MKT091 C - Advertising and Public Relations

- Upon completion of the class, students (70% or better) will understand the best media methods to use for different advertising strategies.
- Upon completion of the course, students (70% or better) will be able to identify the different components of advertisements and the various approaches to use.

MKT092 C - Personal Selling

- Upon completion of the course students (70% or more) will know how to convert "features" into "benefits" that lead to sales.
- Upon completion of the course, students (70% or more) will be able to identify, explain and utilize the steps in the selling process - from prospecting to follow-up.

MKT093 C - Target Marketing

- Upon completion of the course students (70% or better) will be able to identify and describe what kinds of characteristics make target markets profitable.
- Upon completion of the course students (70% or better) will know the different ways to segment the marketplace into specific groups.

MKT094 C - Buyer Behavior

- Upon completion of the course, students (70% or better) will be able to describe the "Consumer's Black Box" model of behavior and how it relates to Abraham Maslow's Hierarchy of Needs.
- Upon completion of the course, students (70% or better) will be able to utilize the concept of "affect, cognition and behavior" to connect with consumers and satisfy their needs.

MKT095 C - Market Distribution Systems

- Upon completion of the course students (70% or better) will be able to apply their marketing knowledge to successfully create a distribution system for a specific product.
- Upon completion of the course students (70% or better) will be able to identify the key components of the marketing distribution system and know the pros and cons of each.

MKT096 C - Sales Promotion Techniques

- Upon completion of the course students (70% or better) will be able to explain the differences between sales promotion and advertising and the situations in which to use it.
- Upon completion of the course students (70% or better) will be able to describe and evaluate the various methods of sales promotion that are available and the pros and cons of each.

MKT097 C - Customer Relations

- Upon completion of the course students (70% or better) will be able to define and utilize the CRM Concept.
- Upon completion of the course Students (70% or more) will be able to identify and explain the key components of customer service.

MKT098 C - International Marketing - Small Business

- Upon completion of the course students (70% or better) will understand how to evaluate business opportunities in foreign countries.
- Upon completion of the course students (at a level of 70% or better) will know how to determine which products or services are suited to various countries.

MKT103 C - Principles of Advertising

- Upon completion of the course students (70% or better) will be able to evaluate and assess the best media to use in promoting a product

or company.

- Upon completion of the course students (70% or better) will be able to identify the different parts of an advertisement and be able to develop advertising materials for specific situations.

MKT105 C - Principles of Retailing

- Upon completion of the course students (70% or better) will know how to manage a retail store utilizing merchandise and display techniques to maximize sales.
- Upon completion of the course students (70% or better) will understand and be able to evaluate the roles that different retailing institutions perform.

MKT201 C - Small Business Promotion

- Students will be able to identify (with 70% accuracy) the most profitable target market for a business and develop a marketing plan to reach it.
- Students will be able to prepare (at a level of "average" or "superior") an advertising portfolio aimed at the desired target market.

MKT205 C - Multicultural Markets in U.S.

- Upon completion of the course student (70% or better) will understand the marketing process and the ways to create products or services for specific cultural groups.
- Upon completion of the course students (70% or better) will be aware of and understand the purchasing habits, preferences and behaviors of the different cultural groups in the United States.

MKT208 C - Principles of Selling

- Upon completion of the course, students will know (at a 70% or better proficiency) how to conduct an effective sales presentation.
- Upon completion of the course, students will understand (with a 70% or better proficiency) the steps in the selling process.

MKT210 C - Consumer Behavior

- Upon completion of the course students (70% or better) will understand and be able to utilize the concept of "affect, cognition and behavior" in determining the effect of rational and emotional appeals related to spending.
- Upon completion of the course students (70% or better) will understand how and why consumers buy products and the influence such factors as price, style, brand, packaging, color, fragrance, retail setting, and other elements affect the purchase.

MKT222 C - Principles of Marketing

- Upon completion of the class students (70% or better) will know how to identify potential consumers and develop marketing strategies to meet their needs.
- Upon completion of the course students (70% or better) will understand the marketing process and be able to effectively utilize the "Marketing Mix" elements - product, price, promotion, place.

MKT224 C - International Marketing

- Upon completion of the course, students will understand (at a 70% proficiency level) foreign economics, import/export, political/legal systems and cultural differences.
- Upon completion of the course, students will understand (at a 70% proficiency level) international finance, market research and business plans.

MKT299 C - Merchandising and MKT-Independent Study

- Upon completion of the course students (70% or better) will have an understanding of the marketer's role in the work world.
- Upon completion of the course students (70% or better) will have an understanding of the types of skills that are necessary to successfully work in the marketing field.

Counseling Div.

Counseling and Student Develop Dept.

CSLO

COUN040 C - College Readiness

- Upon completion of course, students will be able to register in their first semester of courses.
- Upon completion of course, students will be able to successfully use the catalog, the schedule of classes, and the MyGateway portal, to access courses, services, and programs to promote their successful persistence into their second semester and beyond.

COUN060 C - Academic Success/College Survival

- Upon completion of the course, students will be able to make a Values Collage to aide them in selecting their academic/educational goals with 70% accuracy.

- Upon completion of the course, students will be able to successfully establish short and long term goals through an oral presentation of chosen values and establish a time management using the assigned textbook with 70% accuracy.

- Upon completion of the course, students will be able to successfully identify and develop current study skills, values, goals, and decision making strategies with 70% accuracy.

COUN073 C - Computer Access I

- To change the margins of a document. To save work onto a flash drive. To identify the address bar of an internet browser. To create columns of data in a document. To format a document. To upload images. To create numbered and ordered lists. To find images on the internet using an internet browser. To send an e-mail with an attachment.

COUN76 C - Access Note-Taking Techniques

- Identify and use several note-taking strategies that are taught in this course.
- Develop skills in effective listening techniques for classroom lectures.
- Develop and demonstrate skills in specific note-taking techniques, such as The Cornell Method.

COUN100 C - College Orientation

- Identify services on campus and their goals. Demonstrate knowledge of DSPS services.

COUN105 C - Stress and Anxiety Management

- Upon completion of the course, students will be able to identify, practice, and evaluate coping strategies and develop an effective stress management plan specific to the student's individual goals.
- Students will be able to identify and utilize at least three stress management techniques (e.g., breath work or meditation, progressive relaxation or stretching, journaling or reading).
- Students will understand ideas such as passion, creativity, positivity, and self-efficacy as integral to life style choices, and perfectionism vs. excellence.
- Students will understand the connections between physical emotional, intellectual, social, environmental, nutritional, and spiritual wellness.

COUN110 C - Teaching as a Career

- Students will examine motives, attitudes, and rewards for teaching as a profession, and will decide whether teaching as a career is an appropriate option with 80% accuracy.
- Students will participate, observe, and evaluate a field experience within an educational environment (K-12 or Community College setting). The process is based on evaluating school and classroom environments, student social problems, curriculum, teacher effectiveness, pedagogy, and professional teaching standards.

COUN135 C - Leadership

- Utilize leadership concepts to analyze the leadership style of the members of a governing board
- Utilizing goal-setting techniques, students will set long and short term goals that are consistent with the model provided in class

COUN135HC - Honors Leadership

- Students will demonstrate an understanding of a mission statement by writing a personal mission statement.
- Students will demonstrate an understanding of leadership concepts.
- Utilizing goal-setting techniques, students will set project goals and objectives that are consistent with the model provided in class

COUN139 C - Career Exploration

- Upon completion of the course, students will be able to identify, reasearch and evaluate at least 3 careers which are compatible with their personality, interests, skills and work values.

COUN140 C - Educational Planning

- Given the Student Handbook and College Catalog, more than 50% of students surveyed will be able to identify and utilize appropriate campus resources and services in order to become a more successful student. Given the Student Handbook and College Catalog, more than 50% of students surveyed will be able to develop an individualized student educational plan demonstrating logical sequencing of courses in order to meet educational goals.

COUN141 C - Career Exploration

- Upon completion of the course, students will be able to identify, reasearch and evaluate at least 3 careers which are compatible with their personality, interests, skills and work values with 70% accuracy.

COUN144 C - Women and Careers

- Student will be able to analyze their self-image as it relates to career options develop recommendations that will focus on their personality and interest. 2. The student will be able to participate in job search techniques focusing on 3 research self-determined career options. 3. Students will have an opportunity to complete an Informational Interview Project of their choice based on their career research. Utilizing the career resources provided by the career center all assignments will be compiled into a portfolio.

COUN145 C - Job Readiness-Career Mgt

- Upon completion of self-assessments, students will integrate personal strengths, skills, and talents into their online, on paper, and in person job search strategies. 2. Per a number of activities, students will be able to identify and display self confidence and professional behavior in the workplace. 3. Students will exit college with an action plan and communication skills for getting and keeping a job.

COUN146 C - Decision Making

- 80% of students will be able to describe the steps (define goal, assess alternatives, gather information, refine goal, take action and assess outcomes probability and desirability) for effective making decisions specific to educational goals.

COUN147 C - Peer Advising

- Demonstrate appropriate counseling and academic skills for peer advising.

COUN150 C - Academic and Life Success

- Students will analyze their life planning process and develop a plan related to their life goals.
- Students will be able to compare and contrast various types of relationships and wellness and identify factors to improve these areas.
- Students will be able to identify developmental life stages and the challenges of college life.
- Students will develop a Student Educational Plan related to their academic goals.

COUN151 C - Career and Life Planning

- 75% of students will be able to identify occupations and values that match their personality type and identify job interview questions.

COUN156 C - Self-Concept

- NONE

COUN160 C - College/University Transition

- Upon the successful completion of COUN 160 C, students will be able to accurately articulate at least four steps of the transfer process.
- Upon the successful completion of COUN 160 C, students will be able to use www.assist.org, university articulation agreements, college catalogs, and approved general education plans, to develop an individual transfer plan that includes prerequisite courses, major preparation, general education, and elective courses that meet the requirements to transfer to their desired four year institution.
- Upon the successful completion of COUN 160 C, students will be able to utilize a personal transfer criteria list, to evaluate transfer options and choose an institution that offers their chosen major and meets their identified needs.

COUN160HC - Honors University Transition

- Students will list at least four steps of the transfer process as measured by a question on the final exam.
- Students will use www.assist.org, university articulation agreements, college catalogs, and approved general education plans to develop an individual transfer plan that includes prerequisite courses, major preparation, general education, and elective courses that meet the requirements to transfer to their desired four year institution.
- Using a personal transfer criteria list, students will evaluate transfer options and choose an institution that offers their chosen major and meets their identified needs.

COUN220 C - Elementary School Teaching

- This course is being deactivated

COUN298 C - Counseling and Guidance Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

COUN298BC - College Experience

- 80% of the students will be able to assess wellness concepts.
- 80% of the students will be able to identify strategies to maximize their employment potential.
- 80% of the students will be able to list the four essential components of a resume.

COUN299 C - Counseling - Independent Study

- This course provides service learning opportunities, will enhance student leadership skills by teaching students how to assist others, use good time management skill, the importance of giving back to the community.

Counseling Non-Instructional Div.

Admissions & Records

CSLO

No CSLOs

Assessment Center/SSSP
CSLO No CSLOs
Career Planning Center
CSLO No CSLOs
Charger Experience Program
CSLO No CSLOs
Counseling (Non-Instructional)
CSLO No CSLOs
Disabled Student Services
CSLO No CSLOs
Dual Enrollment
CSLO No CSLOs
International Student Programs
CSLO No CSLOs
Student Equity
CSLO No CSLOs
Transfer Center
CSLO No CSLOs
Default Department
Default Program
CSLO No CSLOs
Kinesiology Dept.
CSLO No CSLOs
Kinesiology Div.
CSLO No CSLOs
VoTech - Vocational/Technical Div.
CSLO No CSLOs

Fine Arts Div.
Art Dept.
<p>CSLO</p> <p>ART100 C - Fundamentals of Art</p> <ul style="list-style-type: none"> • After analyzing art materials, issues of formalism, and a survey of art history students we will be able to critically analyze the importance of visual images to human history and the modern world. • Given a work of art students will successfully identify major elements of artistic methodology and will effectively articulate the impact of these aspects on the content of the artwork. • Given an artwork students will examine its form to establish its content. • Given major artworks from Western and Non-Western cultures students will successfully identify the artist, title, and style by evaluating their major visual characteristics. <p>ART110 C - Introduction to Art</p> <ul style="list-style-type: none"> • After analyzing art materials, issues of formalism, and a survey of art history students we will be able to critically analyze the importance of visual images to human history and the modern world. • Given an artwork students will examine its form to establish its content. • Given major artworks from Western and Non-Western cultures students will successfully identify the artist, title, and style by evaluating their major visual characteristics. <p>ART111 C - Survey of Art History I</p> <ul style="list-style-type: none"> • After analyzing materials given to them in lecture, the textbook, and class discussion students will effectively articulate the meaning and importance of visual images and their relation to the progression of Western history. • Given artworks from prehistoric through Gothic eras students will successfully identify the era the artwork comes from by evaluating its major visual characteristics and iconography. • Given critical issues and theories of the arts (both modern and ancient) students will be able to critically analyze the visual world in which they live. • Given multiple artworks from different ancient eras, students will be able to decipher what era each artwork comes from and be able to examine how they relate or differ developmentally, thematically, and stylistically. <p>ART112 C - Survey of Art History II</p> <ul style="list-style-type: none"> • After internalizing and analyzing materials given to them throughout the semester students will effectively articulate the meaning and importance of visual images and their relation to the progression of Western history. • Given artworks from Renaissance through Modern eras students will successfully identify the era the artwork comes from by evaluating its major visual characteristics and iconography. • Given critical issues and theories of the arts students will be able to critically analyze the visual world in which they live. • Given multiple artworks from different eras, students will be able to decipher what era each artwork comes from and be able to examine how they relate or differ developmentally, thematically, and stylistically. <p>ART112HC - Honors Survey Art History II</p> <ul style="list-style-type: none"> • After internalizing and analyzing materials given to them throughout the semester students will effectively articulate the meaning and importance of visual images and their relation to the progression of Western history. • Given art historical theory and primary sources, students will be able to understand and interpret their contributions to the further study of art history. • Given artworks from Renaissance through Modern eras students will successfully identify the era the artwork comes from by evaluating its major visual characteristics and iconography. • Given critical issues and theories of the arts students will be able to critically analyze the visual world in which they live. • Given multiple artworks from different eras, students will be able to decipher what era each artwork comes from and be able to examine how they relate or differ developmentally, thematically, and stylistically. <p>ART114 C - Modern Art History</p> <ul style="list-style-type: none"> • After internalizing and analyzing materials given to them throughout the semester students will effectively articulate the meaning and importance of visual images and their relation to the progression of the Modern era and our contemporary moment. • Given artworks from the Modern and contemporary era students will successfully identify the art movement and style the artwork comes from by evaluating its major visual characteristics and artistic techniques. • Given critical issues and theories of the arts students will be able to critically analyze both contemporary art and the visual world in which they live. • Given multiple artworks from different movements, students will be able to decipher what movement each artwork comes from and be able to examine how they relate or differ developmentally, thematically, and stylistically.

ART120 C - Two-Dimensional Design

- Given lecture, exercises, critique, projects and quizzes addressing a variety of two-dimensional design methods and materials, the student will be able to analyze and create an introductory-level two-dimensional visual statement with a clear concept, process, and quality in production and presentation with 70% accuracy.

ART121 C - Three-Dimensional Design

- Given lecture, exercises, critique, projects and quizzes addressing a variety of three-dimensional design methods and materials, the student will be able to analyze and create an introductory-level three-dimensional visual statement with a clear concept, process, and quality in production and presentation with 70% accuracy.

ART122 C - Survey of Art History II

- Given course lecture material, demonstrations, and classroom activities, a student will be able to analyze and create a variety of non-commercial digital artworks utilizing traditional and non-traditional software and hardware applications and processes with 70% accuracy.

ART123 C - Color Theory

- Given lecture, exercises, critique, projects and quizzes addressing a variety of color theories, methods, and materials, the student will be able to analyze and create an introductory-level color image with a clear concept, process, and quality in production and presentation with 70% accuracy.

ART130 C - Introduction to Printmaking

- Given examples of various printmaking techniques; a student will produce a variety of original prints that reflect proficiency in the use of texture, line, color, shape, and space as it relates to the procedures need to create a printing block or plate.
- Given lectures and examples that demonstrate printmaking requires critical thinking and decisions regarding aesthetic values, a student will select and apply principles of design to class projects. It will also reflect their understanding in the use of the printmaking process, methodology and terminology.

ART131 C - Intermediate Printmaking

- Given successful completion of ART 131, Intermediate Printmaking, students will be able to demonstrate the ability to produce a series of prints using multiple color process.
- Given successful completion of ART 131, Intermediate Printmaking, students will be able to discuss and apply historical relevance when choosing printmaking styles and techniques in a series of unique prints.

ART144 C - Cartooning

- Given lecture, exercises, critique, projects and quizzes addressing a variety of cartooning and it's related techniques, vocabulary, theory, and history, the student will be able to create a unified two-dimensional artwork with a clear process and quality in production and presentation with 70% accuracy.

ART146 C - Beginning Sculpture

- Given lecture, exercises, critique, projects and quizzes addressing a variety of sculptural concepts, methods, and materials, the student will be able to analyze and create an introductory-level sculpture with a clear concept, process, and quality in production and presentation with 70% accuracy.

ART147 C - Intermediate Sculpture

- Given lecture, exercises, critique, projects and quizzes addressing a variety of sculptural concepts, methods, and materials, the student will be able to analyze and create an intermediate-level sculpture with a clear concept, process, and quality in production and presentation with 70% accuracy.

ART148 C - Introduction to Crafts

- Upon successful completion of Art 148 Introduction to Crafts, the student will be able to demonstrate the ability to convey ideas in a variety of craft media.
- Upon successful completion of Art 148 Introduction to Crafts, the student will be able to use appropriate terminology to describe and analyze craft forms and media.

ART149 C - Beginning Sculpture

- Upon successful completion of Art 149 Fundamentals of Sculpture, the student will be able to create a sculpture using a variety of sculptural processes.
- Upon successful completion of Art 149 Fundamentals of Sculpture, the student will be able to demonstrate the ability to convey an idea in a sculptural form.
- Upon successful completion of Art 149 Fundamentals of Sculpture, the student will be able to use appropriate terminology to describe and analyze sculpture.

ART150 C - Ceramics Handbuilding

- A student will be able to construct and apply the basic fundamental building blocks using the following methods sequentially: pinching, coil construction, soft slab, and leather hard clay.
- A student will be able to produce sculptural clay forms that include the principles and elements of design (form, line, color, texture, and space) through hand-building.
- Given the fundamental building blocks of ceramics, the student will be able to utilize ceramic studio processes, vocabulary, and methodology.

- Student will be able to critically discuss their work by synthesizing ceramic vocabulary, technique, art historical and contemporary trends.

ART151 C - Ceramics Throwing

- A student will be able to construct and apply the basic building blocks using the potter's wheel to create the following forms sequentially: cylinder, handles, bowls, vases, and bottles.
- A student will be able to produce forms that include the principles and elements of design (form, line, texture and space) by using the potter's wheel.
- Given the fundamental building blocks of ceramics, the student will be able to utilize ceramic studio processes, vocabulary, and methodology.

ART152 C - Technical/Conceptual Ceramics

- Given contemporary ceramic theory, the student will be able to utilize ceramic studio techniques, vocabulary, and methodology.
- Given various ceramic processes and techniques, the student will be able to utilize ceramic media to create a unified contemporary sculptural statement.
- Student will be able to critically discuss their work by synthesizing ceramic vocabulary, technique, art historical and contemporary trends.

ART153 C - Ceramic Studio Exploration

- Given contemporary ceramic theory, the student will be able to utilize ceramics studio techniques, vocabulary, and methodology.
- Given various ceramic processes and techniques, the student will be able to utilize ceramic media to create a unified contemporary sculptural statement.
- Student will be able to critically discuss their work by synthesizing ceramic vocabulary, technique, art historical and contemporary trends.

ART154 C - Ceramic Aesthetics & Finishes

- Given basic ceramic materials students will be able to show an understanding of the ceramic firing process and techniques, vocabulary and methodology.
- Given contemporary ceramic theory, the student will be able to respond with ceramic studio techniques, vocabulary, and methodology.
- Given various ceramic firing processes and techniques, the student will be able to utilize ceramic media to create an advanced and unified contemporary sculptural statement.
- Student will be able to critically discuss their work by synthesizing ceramic vocabulary, technique, art historical and contemporary trends.

ART155 C - Art Open Laboratory

- This is an independent study course.

ART161 C - Intro to Gallery Stds: Exhibit

- Given a variety of exhibition scenarios, the student will be able to properly handle, care for, and install an artwork with 70% accuracy.

ART162 C - Inter Gallery Stds: Exhibit

- Given various lectures, reading assignments, and research trips to museums and galleries addressing curatorial themes, methods, and ethics, the student will be able to plan and design an art exhibition with 70% accuracy.

ART163 C - Portfolio Dev and Prof Pract

- Given various lectures, reading assignments, and first-hand studio visits with working artists addressing continued education, the student will be able to determine the need for further education their given artistic discipline and career goals.
- Given various lectures, reading assignments, and first-hand studio visits with working artists addressing marketing and networking, the student will be able to plan and create a marketing and networking plan appropriate for their given artistic discipline
- Given various lectures, reading assignments, and first-hand studio visits with working artists addressing portfolio development, the student will be able to plan and create a portfolio appropriate for their given artistic discipline

ART166 C - Contemporary Art Studio

- Given lecture, exercises, critique, projects and quizzes addressing a variety of introductory-level contemporary art concepts, methods, and materials, the student will be able to analyze and create contemporary artwork with a clear concept, process, and quality in production and presentation with 70% accuracy.

ART167 C - Contemporary Art Studio 2

- Given lecture, exercises, critique, projects and quizzes addressing a variety of intermediate-level contemporary art concepts, methods, and materials, the student will be able to analyze and create contemporary artwork with a clear concept, process, and quality in production and presentation with 70% accuracy.

ART174 C - Jewelry Design

- Develop a sense of judgment as a means of visual communication and personal expression.
- Given jewelry materials students will be able to create a piece of jewelry utilizing the design fundamentals connected to basic jewelry techniques.

- Given jewelry materials students will be able to express themselves utilizing the principles of three-dimensional design.

ART175 C - Metalsmithing

- 100% of students will develop a sense of judgement as a means of visual communication and personal expression.
- Given metalsmithing materials 100% of students will be able to express themselves utilizing the principles of three-dimensional design.
- Upon completion of the course students will be able to identify tool names, technical procedures and the elements of design with 100% accuracy.

ART182 C - Beginning Drawing

- A student will be able to perceive, analyze and represent space through the use of elements of line, value texture, shape and form from a variety of subjects using various drawing media.
- Organize subjects into an interesting composition as they interact on the picture plan. Composition also reflects personal ideas and figurative and abstract considerations in drawing.
- The ability to analyze, discuss and present solutions (in composition and design) in an oral critique and the ability to make ones own work in relation to our visual world that is personal and global in scope.

ART183 C - Intermediate Drawing

- Upon successful completion of ART 183, the student will be able to demonstrate an ability to use various drawing media to show an intermediate level of understanding of how to arrange visual components into a successful composition
- Upon successful completion of ART 183, the student will be able to demonstrate an ability to use various drawing media to show an intermediate level of understanding of line as it applies to creating the illusion of three dimensional form.
- Upon successful completion of ART 183, the student will be able to demonstrate an ability to use various drawing media to show an intermediate level of understanding of value as it applies to creating the illusion of three dimensional form.

ART184 C - Advanced Drawing

- Upon successful completion of ART 184, the student will be able to demonstrate an ability to use various drawing media to show an advanced level of understanding of light logic as it applies to rendering the illusion of three dimensional form.
- Upon successful completion of ART 184, the student will be able to demonstrate an ability to use various drawing media to show an advanced level of understanding of value as it applies to creating the illusion of three dimensional form.
- Upon successful completion of ART 184C, the student will be able to demonstrate an ability to use various drawing media to show an advanced level of understanding of how to arrange visual components into a successful composition.

ART185 C - Beginning Life Drawing

- Given lecture, exercises, critique, projects and quizzes addressing a variety of beginning life drawing methods and materials, the student will be able to analyze and create a beginning level drawing of a human form in space with a clear process and quality in production and presentation with 70 % accuracy.

ART186 C - Intermediate Life Drawing

- Given lecture, exercises, critique, projects and quizzes addressing a variety of intermediate life drawing methods and materials, the student will be able to analyze and create an intermediate level drawing of a human form in space with a clear process and quality in production and presentation with 70 % accuracy.

ART187 C - Advanced Life Drawing

- Upon successful completion of ART 187C, the student will be able to depict the human figure through a series of drawings that include sustained portraiture, extreme foreshortening and full tonal and color drawings in charcoal, conte crayon, ink wash and pastel.
- Upon successful completion of ART 187C, the student will be able to demonstrate an advanced understanding of human anatomy as it relates to surface muscle and bone structure, proportion, contour and mass, in a series of drawings executed in the classroom.

ART191 C - Life Painting

- Given lecture, exercises, critique, projects and quizzes addressing a variety of introductory life painting methods and materials, the student will be able to analyze and create an introductory level painting of a human form in space with a clear process and quality in production and presentation with 70% accuracy.

ART193 C - Portrait Painting

- Given lecture, exercises, critique, projects and quizzes addressing a variety of intermediate -life painting methods and materials, the student will be able to analyze and create an intermediate-level painting of a human form in space with a clear process and quality in production and presentation with 70 % accuracy.

ART194 C - Beginning Painting

- Students will assess and compare diverse historical and contemporary paintings, using description, formal analysis and interpretation.
- Students will be able to produce a variety of paintings that will reflect proficiency in the use of color, light, value and form.
- Students will justify attitudes and approaches in selecting and painting various subject matter: still-lives, architecture, and portraiture.

ART195 C - Intermediate Painting

- Upon successful completion of ART 195C, the student will be able to demonstrate an ability to use acrylic or oil paint to show an

intermediate level of understanding of color theory as it applies to creating the illusion of three dimensional FORM.

- Upon successful completion of ART 195C, the student will be able to demonstrate an ability to use acrylic or oil paint to show an intermediate level of understanding of how to arrange visual components into a successful composition.
- Upon successful completion of ART 195C, the student will be able to demonstrate an ability to use acrylic or oil paint to show an intermediate level of understanding of value as it applies to creating the illusion of three dimensional form.

ART196 C - Advanced Painting

- Upon successful completion of ART 196C, the student will be able to demonstrate an ability to use acrylic or oil paint to show an advanced level of understanding of color theory as it applies to creating the illusion of three dimensional form.
- Upon successful completion of ART 196C, the student will be able to demonstrate an ability to use acrylic or oil paint to show an advanced level of understanding of how to arrange visual components into a successful composition.
- Upon successful completion of ART 196C, the student will be able to demonstrate an ability to use acrylic or oil paint to show an advanced level of understanding of value as it applies to creating the illusion of three dimensional form.

ART216 C - Latin American Art

- After internalizing and analyzing materials given to them throughout the semester students will effectively articulate the meaning and importance of visual images and their relation to the progression of Central and South American history.
- Given artworks from Pre-Columbian, Mexican, and South American cultures students will successfully identify the era the artwork comes from by evaluating its major visual characteristics and iconography.
- Given critical issues and theories of the arts students will be able to critically analyze the visual world in which they live.
- Given multiple artworks from different eras/cultures, students will be able to decipher what era each artwork comes from and be able to examine how they relate or differ developmentally, thematically, and stylistically.

ART244 C - Illustration

- Given a variety of teaching methods addressing introductory illustration methods and materials, the student will be able to analyze and create a with a basic illustration with a clear process and quality in production and presentation with 70 % accuracy.

ART246 C - Advanced Illustration

- Given a variety of teaching methods addressing advanced illustration methods and materials, the student will be able to analyze and create a with an advanced illustration with a clear process and quality in production and presentation with 70 % accuracy.

ART298 C - Art Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

ART299 C - Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract

Dance Dept.

CSLO

DANC100 C - Intro to Dance Appreciation

- Students will perform an assigned sixteen count dance phrase that is demonstrated by the instructor. They are graded by the accuracy of their technique, rhythm, effort and performance quality pertaining to the dance style. Students will score at least 70%
- The students are given a written exam and are expected to compare and contrast the historical development of the two dance styles. Given a written exam the students will score at least 70% to achieve the SLO.

DANC101 C - Multicultural Dance in the US

- Given a the names of world dances, a student will demonstrate the ability to identify the county of origin of the dances and the cultural and social backgrounds of each dance.
- Given the names of influential choreographers, the student will demonstrate the ability to recognize the works of each choreographer, the technical styles and the cultural influences of each choreographer.

DANC102 C - Pilates Mat Work

- Given a set of Pilates exercises, the student is able to demonstrate the exercises with the correct usage of muscle groups, breathing, alignment, and knowledge of terminology.

DANC105 C - Ballet I

- Students will correctly demonstrate active body alignment and simple ballet movement combinations at the barre and center floor.

DANC106 C - Ballet II

- Students will correctly demonstrate active body alignment and simple ballet movement combinations at the barre and center floor.

DANC107 C - Modern Dance I

- The students will be given a set of modern dance combinations. They will demonstrate the proper alignment and execute the combinations at the barre and center floor.

DANC108 C - Modern Dance II

- Students will correctly demonstrate active body alignment and intermediate modern dance movement combinations.

DANC109 C - Dance Improvisation

- Given a set of instruction, a student will demonstrate the skills and understanding of using time, space and sound

DANC110 C - Adaptive Dance

- When presented with parameters of context, rhythm and time, the students will be able to make a movement phrase with the knowledge of dance and muscular terminology.

DANC111 C - Jazz Dance I

- Given a set of jazz steps, the student will execute the combination with the accurate timing, space usage, technique and will demonstrate knowledge of jazz terminology.

DANC112 C - Jazz Dance II

- Given a set of intermediate jazz steps, the student will execute the combination with the accurate timing, space usage, technique and will demonstrate knowledge of jazz terminology.

DANC113 C - Tap Dance I

- Given a set of tap dance steps, the student will execute the combination with the accurate timing, space usage, technique and will demonstrate knowledge of tap dance terminology.

DANC114 C - Tap Dance II

- Given a set of intermediate tap dance steps, the student will execute the combination with the accurate timing, space usage, technique, and will demonstrate knowledge of tap dance terminology.

DANC115 C - Hip Hop Dance

- Given a set of Hip Hop dance steps, the student will execute the combination with the accurate timing, space usage, technique, and will demonstrate knowledge of Hip Hop dance terminology.

DANC116 C - Ballet III

- Given an advanced ballet technique combination, students are expected to demonstrate the combinations using the proper technique and terminology. The student will be evaluated on their accuracy of execution in time and space and in their knowledge of terminology.

DANC117 C - Modern Dance III

- Given an advanced modern dance technique sequence the students are to execute the sequence in the correct time and

DANC130 C - Afro-Caribbean Dance

- Given an assigned set of Afro-Caribbean dances, the student will demonstrate proficiency in execution and knowledge of terminology.

DANC132 C - Flamenco Dance

- Given a set of Flamenco steps, students will demonstrate proficiency in executing the steps with accuracy of time, space and music.

DANC136 C - Middle Eastern Dance

- The student given a selection of music will demonstrate movement skills with accuracy of time and technique.

DANC137 C - Latin and Swing Dance

- Given a Latin or swing dance sequence, a student will perform the sequence in the correct time, technique, leading skills.

DANC139 C - Ballroom I

- Students will correctly demonstrate active body alignment and simple ballroom dance movement combinations.

DANC140 C - Summer Dance Festival I

- Given a choreographic work intended for the Summer Concert, the student will execute the work in the time, space, effort and performance quality specified by the choreographer.

DANC141 C - Performance Class I

- Given a choreographic phrase from the dance work the students are cast in, 70% of the students will execute the phrase within the time, space, effort, shape and style of dance being taught by the choreographer.

DANC142 C - Performance Class II

- Given a choreographic work set in a certain time, space and genre, the students are able to execute the work with the specified parameters. The students will be evaluated on the precision of execution as well as performance quality.

DANC143 C - Performance Class III

- Given a choreographic work set in a certain time, space and genre, the students are able to execute the work with the specified parameters. The students will be evaluated on the precision of execution as well as performance quality.

DANC144 C - Performance Class IV

- Given a choreographic work set in a certain time, space and genre, the students are able to execute the work with the specified parameters. The students will be evaluated on the precision of execution as well as performance quality.

DANC145 C - Summer Dance Festival II

- Given a choreographic work intended for the Summer Concert, the student will execute the work in the time, space, effort and performance quality specified by the choreographer.

DANC147 C - Costume Design for Dance

- Given a flat pattern, a student will be able to accurately cut and sew a costume designed for a choreographic work.

DANC149 C - Light Design for Dance

- Given a choreographic proposal, a student will be able to design the lighting for the work.

DANC151 C - Dance and Technology

- Students will create choreography that will utilize cinematography, film editing, and live composition.

DANC202 C - Elements of Choreography

- Given a choreographic subject, students should be able to interpret the choreographic subject in a movement phrase within the time, space, and dance style specified.

DANC203 C - Dance Production I

- Given a dance technique style and level, the student will be able to develop a lesson plan with the appropriate progression in time, effort and space.
- Given a lesson plan for a dance technique and level, the student will be able to successfully apply the lesson plan in a theoretical classroom setting.
- Given a production element of specific dance concert choreography, 70% of students will be able to make a production plan related to the choreographic work assigned.

DANC205 C - Dance Ensemble

- Given a dance phrase from a choreographic work designed to be performed in a venue to promote the campus program, a student will be able to execute the dance phrase in the time, space, effort, shape and performance quality specified.

DANC206 C - Dance Production II

- Given a production element of specific dance concert choreography, the students will be able to successfully execute the running crew assignments related to the choreographic work.

DANC230 C - Dance Teaching Methodologies

- Given a production element of specific dance concert choreography, 70% of students will be able to make a production plan related to the choreographic work assigned.

DANC296 C - Dance Open Laboratory

- Given a dance choreography, a student is able to perform the choreography in the correct time, space, and dance style.
- Given a dance choreography, a student is successfully able to design a rehearsal and a technical production plan for the choreographic project.

DANC298 C - Dance Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

DANC299 C - Dance Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract

Journalism Dept.

CSLO

JOUR101 C - Reporting and Writing

- Students will be able to find a story using news values.
- Students will be able to package news stories for a convergence newsroom in forms for print, video and audio presentations
- Students will be able to report and write ethically, being able to make difficult ethical decisions using professional standards and processes.

- Students will be able to work in an international news environment; reporting stories that require researching the intentional implications of local issues.

JOUR110 C - Global Media

- Students will be able to critically examine mass media for their effect on politics, economics, and society.
- Students will be able to examine the news and entertainment media they consume and be able to analyze the messages for content and intent.
- Students will develop and demonstrate their own opinions about mass media questions and concerns and be able to support these opinions with facts and critical thinking.

JOUR118 C - Messages for Electronic Media

- Students will be able to analyze the relationship between the government and the private sector in the operation and control of broadcasting.
- Students will be able to demonstrate they understand the demands of broadcasting and the need for acquiring personal skill for preparing a professional quality production for television, radio and online.
- Students will demonstrate an understanding of broadcast messages, the messages' content, intentions and media effects.

JOUR130 C - Visual Communication

- Outcome: Student knows and understands the theories of visual communication, including line, shape, color and continuity.
- Students know and understand the theories of visual persuasion, including the use of stereotypes and iconography.
- Students will know and understand the use of traditional and electronic multiple media, including photography, video, typography, and graphic design.

JOUR140 C - Public Relations

- Students will be able to examine media public relations practitioners use and be able to analyze messages for content and intent.
- Students will develop and demo

JOUR225 C - Student Media Practicum I

- Students will be able to examine ethical issues of news organizations, and apply them.
- Students will be able to plan for the generation of news and other information on deadline for all media by using multimedia tools.
- Students will demonstrate an ability to observe workplace habits of behavior including cooperation, punctuality and a respect for diversity.

JOUR226 C - Student Media Practicum II

- These advanced students will be able to direct a staff to plan for the generation of news and other information on deadline for all media by using multimedia tools.
- These advanced students will be able to examine ethical issues of news organizations, and apply and teach them to the staff.

JOUR228 C - Visualjournalism

- Students will be able to examine ethical issues of news organizations, and apply them.
- Students will be able to plan for the generation of news images and other information on deadline for web sites, print and broadcast media using multimedia imaging and audio tools.
- Students will demonstrate an ability to observe workplace habits of behavior including cooperation, punctuality and a respect for diversity.

JOUR229 C - Broadcast Production

- Students will be able to examine ethical issues of news organizations, and apply them.
- Students will be able to plan for the generation of news and other information on deadline for broadcasting and webcasting using multimedia imaging and audio tools.
- Students will demonstrate an ability to observe workplace habits of behavior including cooperation, punctuality and a respect for diversity.

JOUR230 C - Video for Photographers

- Student will be able to analyze and organize video and still photo coverage of an assignment to capture all the elements needed to edit and layout video clips and captured images.
- Student will be able to tell a story in images, combining video and still images, in editing software.
- Student will have an understanding of basic video shooting techniques, including camera and audio usage, safety, plus directing skills.
- Student will have the ability to organize raw footage and audio into a meaningful message for multimedia presentation.

JOUR298 C - Communication/Journalism Seminar

- Seminars are intended to engage the student in critical thinking and to develop a deeper understanding of the subject or issue covered in the seminar

JOUR299 C - Independent Study

- Students will be able to originate and complete a project with a minimum of direction gaining a sense responsibility and independence while demonstrating an understanding of the professional issues and topics being explored.

Media Arts Design Dept.**CSLO****MAD100 C - Intro to Media Arts Design-Mac**

- Given lecture and hands on exercises the student will be able to analyze the presented material and activities to establish an introductory understanding of keyboard and technical terms with 70% accuracy.
- Given raster-based software such as Photoshop or Painter the student will be able to organize raster-based techniques into a personal composition with 70% accuracy.
- Given vector-based software such as Illustrator or In Design the student will be able to organize vector elements into a personal composition with 70% accuracy.

MAD101 C - Intro to Media Arts Design-Win

- Given lecture and hands on exercises the student will be able to analyze the presented material and activities to establish an introductory understanding of keyboard and technical terms with 70% accuracy.
- Given raster-based software such as Photoshop or Painter the student will be able to organize raster-based techniques into a personal composition with 70% accuracy.
- Given vector-based software such as Illustrator or In Design the student will be able to organize vector elements into a personal composition with 70% accuracy.

MAD102 C - Introduction to WEB Design

- Students will be able to utilize computing technology to technically create web sites.
- Within the confines of the HTML environment, students will be able to successfully design and program basic web sites that demonstrate their proficiency of HTML based web development.

MAD103 C - Intro to WEB Graphics-Win

- Students will be able to utilize computing technology to technically create web sites.
- Within the confines of the HTML environment, students will be able to successfully design and program basic web sites that demonstrate their proficiency of HTML based web development.

MAD104 C - Intro to 3D Graphics-Mac

- Given Cinema 4D and similar computer modeling/animation software applications for computer animation, the student will be able to utilize computing technology to technically create models and animations.
- Given computer models/animation software students will successfully identify appropriate video output for rendering as well as calculate and process distribution.
- Given that computer modeling and animation requires critical thinking and decisions regarding aesthetic values, students will select and apply principles of design to class projects.
- Within the confines of the computer modeling/animation environment, students will be able to successfully design and program basic models and animations that demonstrate their proficiency of time-based computer graphics development.

MAD105 C - Intro to 3D Graphics-Win

- Given Cinema 4D and similar computer modeling/animation software applications for computer animation, the student will be able to utilize computing technology to technically create models and animations.
- Given computer models/animation software students will successfully identify appropriate video output for rendering as well as calculate and process distribution.
- Given that computer modeling and animation requires critical thinking and decisions regarding aesthetic values, students will select and apply principles of design to class projects
- Within the confines of the computer modeling/animation environment, students will be able to successfully design and program basic models and animations that demonstrate their proficiency of time-based computer graphics development.

MAD106 C - Social Media Vlog Production

- Students in the class will be able to recognize, analyze and represent through the use of video cameras, lighting, software, and grip equipment, web based Vlogs appropriate for YouTube or other video Vlogging platforms.
- Students will recognize and select the appropriate forms and procedures necessary to create a Vlogging based web series.

MAD107 C - Motion Graphics I

- Given Motion Graphics content, the student will be able plan, write and organize visual elements content for motion graphics
- Given Motion Graphics content, the student will be able plan, write and organize visual elements content for motion graphics.

- Given Motion Graphics requires software tools and project refinement, the student will be able to reorganize content through visual design and editing software to complete examples of motion graphics media.
- In an oral critique students will have the ability to present solutions, analyze and discuss composition and design elements included in their motion graphics projects.
- In oral critique and discussion, students will demonstrate and explain the usage motion graphics based software and design tools used to produce motion graphics media.
- Students in the class will be able to recognize, analyze and represent through the use of elements of design, aesthetic composition in motion graphics.

MAD108 C - Digital Video Production I-Win

- In oral critique and discussion, students will demonstrate and explain the chronology of film and video production from inception to completion.
- Students in the class will be able to recognize and analyze lighting schemes used in a film scene to produce a dramatic visual effect.
- Students in the class will be able to recognize, analyze and represent through the use of video cameras, lighting and grip equipment, motion picture visual composition used in Digital Cinema.
- Students will recognize and select the appropriate forms and procedures necessary to conduct the production of a film
- Students will recognize and select the appropriate forms and procedures necessary to conduct the production of a film.

MAD109 C - Digital Video Production I-Mac

- In oral critique and discussion, students will demonstrate and explain the chronology of film and video production from inception to completion.
- Students in the class will be able to recognize and analyze lighting schemes used in a film scene to produce a dramatic visual effect.
- Students in the class will be able to recognize, analyze and represent through the use of video cameras, lighting and grip equipment, motion picture visual composition used in Digital Cinema.
- Students will recognize and select the appropriate forms and procedures necessary to conduct the production of a film.

MAD110 C - Animation History/Technology

- After internalizing and analyzing materials given to them throughout the semester students will effectively articulate the meaning and importance of visual design and its? relation to the evolution of aesthetic and technological advances made throughout the 20th Century and into the contemporary animation era.
- Given animated film works from the early 20th Century and contemporary era students will successfully identify the movement and genre of animation comes from by evaluating its major visual characteristics, as well as its? artistic and technological techniques.
- Given critical issues and theories of animation art and technology students will be able to critically analyze both historical and contemporary animation and relate their analysis to the context of how visual arts fit within the entertainment arts on a global scale.
- Given multiple animations from different movements, students will be able to decipher what movement each animation comes from and be able to examine how they relate or differ developmentally, thematically, stylistically and technologically.
- Provided with an animated feature film students will examine its visual design and narrative story construction to recognize its aesthetic and technical importance in the development of the medium.

MAD111 C - Introduction to Media Writing

- Students will be able to write a short narrative script of 20-30 pages suitable for TV, film or other electronic media.
- Students will be competent in the mechanics of writing for media.
- Students will be proficient in writing scripts of a variety of formats for various media placements.
- Students will demonstrate understanding of technical and aesthetic elements and issues employed in writing for media.

MAD112 C - Electronic Illustration-Mac

- Given Illustrator software and studio demonstration, the student will be able to utilize computing technology and studio techniques to demonstrate introductory competency in craftsmanship and presentation.
- Given Illustrator software, the student will be able to utilize computing technology to demonstrate introductory skills in electronic illustration.
- Given lecture, exercises, and quizzes, the student will be able to analyze the presented material and activities to establish an introductory understanding of technical terms and methodology.

MAD113 C - Electronic Illustration-Window

- Given Illustrator software and studio demonstration, the student will be able to utilize computing technology and studio techniques to demonstrate introductory competency in craftsmanship and presentation.
- Given Illustrator software, the student will be able to utilize computing technology to demonstrate introductory skills in electronic illustration.
- Given lecture, exercises, and quizzes, the student will be able to analyze the presented material and activities to establish an introductory understanding of technical terms and methodology.

MAD114 C - Electronic Illustration II-Mac

- Given Illustrator software and studio demonstration, the student will be able to utilize computing technology and studio techniques to demonstrate introductory competency in craftsmanship and presentation.
- Given Illustrator software, the student will be able to utilize computing technology to demonstrate introductory skills in electronic illustration.
- Given lecture, exercises, and quizzes, the student will be able to analyze the presented material and activities to establish an introductory understanding of technical terms and methodology.

MAD115 C - Electronic Illustration II-Win

- Given Illustrator software and studio demonstration, the student will be able to utilize computing technology and studio techniques to demonstrate introductory competency in craftsmanship and presentation.
- Given Illustrator software, the student will be able to utilize computing technology to demonstrate introductory skills in electronic illustration.
- Given lecture, exercises, and quizzes, the student will be able to analyze the presented material and activities to establish an introductory understanding of technical terms and methodology.

MAD116 C - Graphic Design I

- Given imaging software, the student will be able to utilize computing technology to demonstrate introductory competency in craftsmanship and presentation.
- Given imaging software, the student will be able to utilize computing technology to demonstrate introductory skills in advertising/graphic design layout.
- Given lecture, exercises, and quizzes, the student will be able to analyze the presented material and activities to establish an introductory understanding of advertising/graphic design professional procedures, technical terms, and methodology.

MAD117 C - Graphic Design II

- Given imaging software, the student will be able to utilize computing technology to demonstrate intermediate competency in craftsmanship and presentation.
- Given imaging software, the student will be able to utilize computing technology to demonstrate intermediate skills in advertising/graphic design layout.
- Given lecture, exercises, and quizzes, the student will be able to analyze the presented material and activities to establish an intermediate understanding of advertising/graphic design professional procedures, technical terms, and methodology.

MAD118 C - Graphic Design III

- Given imaging software, the student will be able to utilize computing technology to demonstrate advanced competency in craftsmanship and presentation.
- Given imaging software, the student will be able to utilize computing technology to demonstrate advanced skills in advertising/graphic design layout.
- Given lecture, exercises, and quizzes, the student will be able to analyze the presented material and activities to establish an advanced understanding of advertising/graphic design professional procedures, technical terms, and methodology.

MAD119 C - Multimedia Mobile Design

- Given lecture, exercises, critique, projects and quizzes, the student will be able to analyze the course material and activities to establish an understanding of mobile graphics creation tools and mobile based software, publishing, vocabulary, and methodology.
- Given the unique nature of mobile software and content delivery systems the student will be able to select and organize appropriate software tools for use in mobile app application for visual communication with 70% accuracy.
- Given various mobile media content creation techniques, the student will be able to employ the mobile media techniques to demonstrate competency in craftsmanship and presentation with 70% accuracy.
- Students will have the ability to present solutions, analyze and discuss composition and design. Students will also have the ability to make aesthetic judgments about one's own work in relation to our visual world that is personal and global in scope with 70% accuracy.

MAD120 C - 3D Modeling-Mac

- Given Maya, Cinema 4D and similar 3D software applications for three-dimensional computer modeling, the student will be able to utilize computing technology to accurately create organic and non-organic designs that simulate real world objects.
- Given models created through 3D software students will successfully identify appropriate rendering output for video distribution as well as calculate and process the data for video publishing.
- Given that computer modeling requires critical thinking and decisions regarding aesthetic values, students will select and apply principles of design to class projects.
- Within the confines of the 3D software environment, students will be able to successfully design and program basic modeling and animation routines that demonstrate their proficiency of movement in a 3D virtual space.

MAD121 C - 3D Modeling-Windows

- Given Maya, Cinema 4D and similar 3D software applications for three-dimensional computer modeling, the student will be able to utilize computing technology to accurately create organic and non-organic designs that simulate real world objects.
- Given models created through 3D software students will successfully identify appropriate rendering output for video distribution as well as

calculate and process the data for video publishing.

- Given that computer modeling requires critical thinking and decisions regarding aesthetic values, students will select and apply principles of design to class projects.
- Within the confines of the 3D software environment, students will be able to successfully design and program basic modeling and animation routines that demonstrate their proficiency of movement in a 3D virtual space.

MAD122 C - History of Graphic Design

- After analyzing designs viewed as a class, through the textbook, and through class discussions, students will effectively articulate the meaning and importance of graphic designs, their communicative properties and their impact on culture, politics, and commerce.
- Given graphic design a variety of sources and time periods, students will successfully identify the era the design comes from by evaluating its stylistic characteristics and technical innovations.

MAD132 C - Electronic Paint-Mac

- Given lecture, exercises, critique, projects and quizzes, the student will be able to analyze the course material and activities to establish a understanding of Painter software, (or raster based natural media software) studio techniques, vocabulary, and methodology.
- Given various studio techniques, the student will be able to employ the studio techniques to demonstrate competency in craftsmanship and presentation with 70% accuracy.
- Student will be able to recognize, analyze and represent through the use of design elements (line, value, shadow, texture, shape and form) using raster based software with a 70% accuracy.
- Students will have the ability to present solutions, analyze and discuss composition and design. Students will also have the ability to make aesthetic judgments about one's own work in relation to our visual world that is personal and global in scope with 70% accuracy.
- Using Painter software (or raster based natural media software) the student will be able to organize raster elements into well thought-out compositions with 70% accuracy.

MAD133 C - Electronic Paint-Win

- Given lecture, exercises, critique, projects and quizzes, the student will be able to analyze the course material and activities to establish a understanding of Painter software (or raster based natural media software) studio techniques, vocabulary, and methodology with 70% accuracy.
- Given various studio techniques, the student will be able to employ the studio techniques to demonstrate competency in craftsmanship and presentation with 70% accuracy.
- Student will be able to recognize, analyze and represent through the use of design elements (line, value, shadow, texture, shape and form) using raster based software with a 70% accuracy.
- Students will have the ability to present solutions, analyze and discuss composition and design. Students will also have the ability to make aesthetic judgments about one's own work in relation to our visual world that is personal and global in scope with 70% accuracy.
- Using Painter software (or raster based natural media software) the student will be able to organize raster elements into well thought-out compositions with 70% accuracy.

MAD134 C - Digital Imaging-Mac

- Given lecture, exercises, critique, projects and quizzes, the student will be able to analyze the course material and activities to establish a understanding of Photoshop software (or raster based digital imaging software) studio techniques, vocabulary, and methodology with 70% accuracy.
- Given various studio techniques, the student will be able to employ the studio techniques to demonstrate competency in craftsmanship and presentation with 70% accuracy.
- Student will be able to recognize, analyze and represent through the use of design elements (line, value, shadow, texture, shape and form) using raster based software with a 70% accuracy.
- Students will have the ability to present solutions, analyze and discuss composition and design. Students will also have the ability to make aesthetic judgments about one's own work in relation to our visual world that is personal and global in scope with 70% accuracy.
- Using Photoshop software (or raster based digital imaging software) the student will be able to organize raster elements into well thought-out compositions with 70% accuracy.

MAD135 C - Digital Imaging-Win

- Given lecture, exercises, critique, projects and quizzes, the student will be able to analyze the course material and activities to establish a understanding of Photoshop software (or raster based digital imaging software) studio techniques, vocabulary, and methodology with 70% accuracy.
- Given various studio techniques, the student will be able to employ the studio techniques to demonstrate competency in craftsmanship and presentation with 70% accuracy.
- Student will be able to recognize, analyze and represent through the use of design elements (line, value, shadow, texture, shape and form) using raster based software with a 70% accuracy.
- Students will have the ability to present solutions, analyze and discuss composition and design. Students will also have the ability to make aesthetic judgments about one's own work in relation to our visual world that is personal and global in scope with 70% accuracy.
- Using Photoshop software (or raster based digital imaging software) the student will be able to organize raster elements into well thought-out compositions with 70% accuracy.

MAD136 C - Digital Imaging II-Mac

- Given lecture, exercises, critique, projects and quizzes, the student will be able to analyze the course material and activities to establish a understanding of Photoshop software (or raster based digital imaging software) studio techniques, vocabulary, and methodology with 70% accuracy.
- Given various studio techniques, the student will be able to employ the studio techniques to demonstrate competency in craftsmanship and presentation with 70% accuracy.
- Student will be able to recognize, analyze and represent through the use of design elements (line, value, shadow, texture, shape and form) using raster based software with a 70% accuracy.
- Students will have the ability to present solutions, analyze and discuss composition and design. Students will also have the ability to make aesthetic judgments about one's own work in relation to our visual world that is personal and global in scope with 70% accuracy.
- Using Photoshop software (or raster based digital imaging software) the student will be able to organize raster elements into well thought-out compositions with 70% accuracy.

MAD137 C - Digital Imaging II-Win

- Given lecture, exercises, critique, projects and quizzes, the student will be able to analyze the course material and activities to establish a understanding of Photoshop software (or raster based digital imaging software) studio techniques, vocabulary, and methodology with 70% accuracy.
- Given various studio techniques, the student will be able to employ the studio techniques to demonstrate competency in craftsmanship and presentation with 70% accuracy.
- Student will be able to recognize, analyze and represent through the use of design elements (line, value, shadow, texture, shape and form) using raster based software with a 70% accuracy.
- Students will have the ability to present solutions, analyze and discuss composition and design. Students will also have the ability to make aesthetic judgments about one's own work in relation to our visual world that is personal and global in scope with 70% accuracy.
- Using Photoshop software (or raster based digital imaging software) the student will be able to organize raster elements into well thought-out compositions with 70% accuracy.

MAD140 C - DeskTop Publishing I-Mac

- Given InDesign software and studio demonstration, the student will be able to utilize computing technology to demonstrate introductory competency in creation and assembly of text and graphics from varied software sources.
- Given InDesign software, the student will be able to utilize computing technology to demonstrate introductory skills in electronic page layout. Written quiz and individual critique.
- Given lecture, exercises, and quizzes, the student will be able to analyze the presented material and activities to establish an introductory understanding of technical terms and methodology.

MAD141 C - DeskTop Publishing I-Win

- Given InDesign software and studio demonstration, the student will be able to utilize computing technology to demonstrate introductory competency in creation and assembly of text and graphics from varied software sources.
- Given InDesign software, the student will be able to utilize computing technology to demonstrate introductory skills in electronic page layout.
- Given lecture, exercises, and quizzes, the student will be able to analyze the presented material and activities to establish an introductory understanding of technical terms and methodology.

MAD142 C - DeskTop Publishing II-Mac

- Given InDesign software and studio demonstration, the student will be able to utilize computing technology to demonstrate intermediate competency in creation and assembly of text and graphics from varied software sources.
- Given InDesign software, the student will be able to utilize computing technology to demonstrate intermediate skills in electronic page layout.
- Given lecture, exercises, and quizzes, the student will be able to analyze the presented material and activities to establish an intermediate understanding of technical terms and methodology.

MAD143 C - DeskTop Publishing II-Win

- Given InDesign software and studio demonstration, the student will be able to utilize computing technology to demonstrate intermediate competency in creation and assembly of text and graphics from varied software sources.
- Given InDesign software, the student will be able to utilize computing technology to demonstrate intermediate skills in electronic page layout.
- Given lecture, exercises, and quizzes, the student will be able to analyze the presented material and activities to establish an intermediate understanding of technical terms and methodology.

MAD146 C - DeskTop Publishing III-Mac

- Given InDesign software and studio demonstration, the student will be able to utilize computing technology to demonstrate advanced competency in creation and assembly of text and graphics from varied software sources.
- Given InDesign software, the student will be able to utilize computing technology to demonstrate advanced skills in electronic page layout .
- Given lecture, exercises, and quizzes, the student will be able to analyze the presented material and activities to establish an advanced understanding of technical terms and methodology.

MAD147 C - DeskTop Publishing III-Win

- Given InDesign software and studio demonstration, the student will be able to utilize computing technology to demonstrate advanced competency in creation and assembly of text and graphics from varied software sources.
- Given InDesign software, the student will be able to utilize computing technology to demonstrate advanced skills in electronic page layout.
- Given lecture, exercises, and quizzes, the student will be able to analyze the presented material and activities to establish an advanced understanding of technical terms and methodology.

MAD150 C - Intermediate Animation-Mac

- Given Maya and similar computer modeling/animation software applications for computer animation, the student will be able to utilize computing technology to technically create models and animations.
- Given that computer modeling and animation requires critical thinking and decisions regarding aesthetic values, students will select and apply principles of design to class projects.
- Within the confines of the computer modeling/animation environment, students will be able to successfully design and program intermediate models and animations that demonstrate their proficiency of time-based computer graphics development.

MAD151 C - Intermediate Animation-Win

- Given computer models/animation software students will successfully identify appropriate video output for rendering as well as calculate and process distribution.
- Given Maya and similar computer modeling/animation software applications for computer animation, the student will be able to utilize computing technology to technically create models and animations.
- Given that computer modeling and animation requires critical thinking and decisions regarding aesthetic values, students will select and apply principles of design to class projects.
- Within the confines of the computer modeling/animation environment, students will be able to successfully design and program intermediate models and animations that demonstrate their proficiency of time-based computer graphics development.

MAD156 C - Advanced Animation-Mac

- Given computer models/animation software students will successfully identify appropriate video output for rendering as well as calculate and process distribution.
- Given Maya and similar computer modeling/animation software applications for computer animation, the student will be able to utilize computing technology to technically create models and animations.
- Within the confines of the computer modeling/animation environment, students will be able to successfully design and program advanced models and animations that demonstrate their proficiency of time-based.

MAD157 C - Advanced Animation-Win

- Given computer models/animation software students will successfully identify appropriate video output for rendering as well as calculate and process distribution.
- Given Maya and similar computer modeling/animation software applications for computer animation, the student will be able to utilize computing technology to technically create models and animations.
- Given that computer modeling and animation requires critical thinking and decisions regarding aesthetic values, students will select and apply principles of design to class projects.
- Within the confines of the computer modeling/animation environment, students will be able to successfully design and program advanced models and animations that demonstrate their proficiency with time-based media.

MAD162 C - Multimedia Web Design-Mac

- Given Dreamweaver and similar HTML editing software applications for web design, the student will be able to utilize computing technology to technically create web sites.
- Given that web design requires critical thinking and decisions regarding aesthetic values, students will select and apply principles of design to class projects.
- Given web sites created through HTML, WYSISYG software students will successfully identify appropriate HTML output for Internet distribution as well as calculate and process for web publishing.
- Within the confines of the HTML environment, students will be able to successfully design and program intermediate web sites that demonstrate their proficiency of HTML based web development.

MAD163 C - Multimedia Web Design-Win

- Given Dreamweaver and similar HTML editing software applications for web design, the student will be able to utilize computing technology to technically create web sites.
- Given that web design requires critical thinking and decisions regarding aesthetic values, students will select and apply principles of design to class projects.
- Given web sites created through HTML, WYSISYG software students will successfully identify appropriate HTML output for Internet distribution as well as calculate and process for web publishing.
- Within the confines of the HTML environment, students will be able to successfully design and program intermediate web sites that demonstrate their proficiency of HTML based web development.

MAD164 C - Adobe Flash Designer-Mac

- Given Flash and similar interactive software applications for web design, the student will be able to utilize computing technology to technically create media rich web sites.
- Given that web design requires critical thinking and decisions regarding aesthetic values, students will select and apply principles of design to class projects.
- Given web sites created through Flash, WYSISYG software students will successfully identify appropriate output for Internet distribution as well as calculate and process for web publishing.
- Within the confines of the multimedia web environment, students will be able to successfully design and program intermediate interactive web sites that demonstrate their proficiency of Flash and time-based web development
- Within the confines of the multimedia web environment, students will be able to successfully design and program intermediate interactive web sites that demonstrate their proficiency of Flash and time-based web development.

MAD165 C - Adobe Flash Designer-Win

- Given Flash and similar interactive software applications for web design, the student will be able to utilize computing technology to technically create media rich web sites.
- Given that web design requires critical thinking and decisions regarding aesthetic values, students will select and apply principles of design to class projects.
- Given web sites created through Flash, WYSISYG software students will successfully identify appropriate output for Internet distribution as well as calculate and process for web publishing.
- Within the confines of the multimedia web environment, students will be able to successfully design and program intermediate interactive web sites that demonstrate their proficiency of Flash and time-based web development.

MAD179 C - Film Bus-Conception to Exhibit

- Given Digital Cinema films, the introductory student will be able plan, write and organize the steps necessary to bring a film from the conception to exhibition.
- Outcome:Students will be able to identify the industry, agency, distributors and government organizations needed market a film.
- Students in the class will be able to identify forms necessary to manage office, crew, cast, distribution and exhibition
- Students in the class will be able to identify forms necessary to manage office, crew, cast, distribution and exhibition.
- Students will be able to compile a preproduction, post-production and distribution books comprised of script, treatment, blocking diagrams, breakdown script, forms, clearances and crew sheets, and all legal and contractual forms required to bring a film to theaters for exhibition.

MAD180 C - Video Editing-Mac

- Given films created through digital video editing software students will successfully identify appropriate rendering output for video distribution as well as calculate and process the data for video publishing.
- Given Final Cut, iMovie, Quicktime and similar video editing software applications for digital video production, the student will be able to utilize computing technology to technically create short films.
- Given that short film video production requires critical thinking and decisions regarding aesthetic values, students will select and apply principles of design to class projects.
- Within the confines of the digital video environment, students will be able to successfully design and program basic films that demonstrate their proficiency of non-linear editing.

MAD181 C - Video Editing-Win

- Given films created through digital video editing software students will successfully identify appropriate rendering output for video distribution as well as calculate and process the data for video publishing.
- Given Final Cut, iMovie, Quicktime and similar video editing software applications for digital video production, the student will be able to utilize computing technology to technically create short films.
- Given that short film video production requires critical thinking and decisions regarding aesthetic values, students will select and apply principles of design to class projects.
- Within the confines of the digital video environment, students will be able to successfully design and program basic films that demonstrate their proficiency of non-linear editing.

MAD182 C - Cinematography

- Given Digital Digital Cinematography requires understanding light and lighting instruments, the student will be able plan, organize and design a lighting plan for video production.
- In an oral critique students will have the ability to present solutions, analyze and discuss composition and lighting design.
- In oral critique and discussion, students will demonstrate and explain the usage lighting hardware used in Digital Cinematography.
- Student's will be able to recognize and identify RGB color correction and white balance controls on video cameras and use these controls for on camera color adjustment.
- Students in the class will be able to recognize, analyze and represent through the use of elements of light, shadow, value, and, shape visual film composition used in Digital Cinema.

MAD183 C - Preproduction for TV-Vid-Film

- Given Digital Cinema films, the introductory student will be able plan, write and organize the steps necessary to bring a film from the preproduction stage to production.
- Students in the class will be able to identify forms necessary to manage office, crew and cast during a video production.
- Students will be able to compile a preproduction book comprised of script, treatment, blocking diagrams, breakdown script, forms, clearances and crew sheets necessary for completion of preproduction.
- Students will be able to identify guilds and labor unions necessary to comply with legal agreements in the video and film production business.
- Students will be able to identify the industry and government organizations needed to apply for and acquire film permits.

MAD184 C - Digital Video Explorations

- Given lecture, exercises, and quizzes, the student will be able to analyze the presented material and activities to establish an introductory understanding of technical terms and methodology.
- Given various video editing software and studio demonstration, the student will be able to utilize computing technology to demonstrate introductory competency in telling a story with video as the artistic medium.
- Given various video editing software, the student will be able to utilize computing technology to demonstrate introductory skills in video editing and authoring.

MAD185 C - Documentary Digital Cinema

- Given Digital Cinema documentary films, the introductory student will be able plan, write and organize visual and audio content for short films.
- Given Digital Cinema requires post-production tools and project refinement, the introductory student will be able to reorganize content through video and audio editing software and hardware to complete short format video film projects.
- Given that video based Digital Cinema filming and editing requires critical thinking and decisions regarding aesthetic values, introductory students will select and apply principles of design to film projects.
- In an oral critique introductory students will have the ability to present solutions, analyze and discuss composition and design. Introductory students will also have the ability to make aesthetic judgments about one's own work in relation to our visual world that is personal and global in scope.
- In an oral critique introductory students will have the ability to present solutions, analyze and discuss composition and design. Introductory students will also have the ability to make aesthetic judgments about one's own work in relation to our visual world that is personal and global in scope.
- In oral critique and discussion, introductory students will demonstrate and explain the usage video and audio based hardware and software tools used to produce and complete their films.
- Students in the class will be able to recognize, analyze and represent through the use of elements of light, shadow, value, and, shape visual film composition used in Digital Cinema.

MAD186 C - Live Event Vid-Audio Prod

- Given that wedding video filming and editing requires critical thinking and decisions regarding aesthetic values, introductory students will select and apply principles of design to film projects.
- Given wedding video, the introductory student will be able plan, write and organize visual and audio content for a wedding video.
- In an oral critique introductory students will have the ability to present solutions, analyze and discuss composition and design. Introductory students will also have the ability to make aesthetic judgments about one's own work in relation to our visual world that is personal and global in scope.
- In oral critique and discussion, introductory students will demonstrate and explain the usage video and audio based hardware and software tools used to produce and complete their videos.
- Students in the class will be able to recognize, analyze and represent through the use of elements of light, shadow, value, and, shape visual film composition used in wedding videos.

MAD187 C - Motion Graphics II

- Given Motion Graphics content, the student will be able plan, write and organize visual elements content for advanced motion graphics.
- Given Motion Graphics requires software tools and project refinement, the student will be able to reorganize content through visual design and editing software to complete examples of advanced motion graphics media.
- In an oral critique students will have the ability to present solutions, analyze and discuss composition and design elements included in their advanced motion graphics projects.
- In oral critique and discussion, students will demonstrate and explain the usage advanced motion graphics based software and design tools used to produce motion graphics media
- In oral critique and discussion, students will demonstrate and explain the usage advanced motion graphics based software and design tools used to produce motion graphics media.
- Students in the class will be able to recognize, analyze and represent through the use of elements of design, advanced aesthetic composition in motion graphics.

MAD188 C - Beginning Single Camera Prod

- choice test to assess their knowledge of the traditional and digital lighting instruments used to create various on set dramatic moods.

- In oral critique and discussion, students will demonstrate and explain the responsibilities of crew members working on a digital production crew.
- Students in the class will be able to recognize and analyze traditional and advanced digital lighting schemes used in a film scene to produce a dramatic visual effect.
- Students in the class will be able to recognize, analyze and represent through the use of video cameras, lighting, software, and grip equipment, advanced motion picture visual composition used in Digital Cinema.
- Students will form small production units which will collaborate to produce short format narrative digital video productions.
- Students will recognize and select the appropriate forms and procedures necessary to conduct a digital production shoot.

MAD189 C - Cinematography II

- Given Digital Cinematography requires understanding light and lighting instruments, the student will create a lighting diagram for an indoor scene.
- In an oral critique students will have the ability to present solutions, analyze and discuss camera lens and lighting selection and how it affects film composition.
- In oral critique and discussion, students will demonstrate and explain the interdependent relationship between lighting and camera instruments in a cinema lighting plan.
- Student's will be able to recognize, identify and put in operation a variety of color correcting gels and filters to produce specific desired effects.
- Students in the class will be able to recognize, analyze and represent solutions for film composition using the tools of a cinematographer.

MAD190 C - Contemporary Art Studio

- Given imaging software, the student will be able to utilize technology-based studio media to create a unified contemporary visual statement.
- Given lecture, exercises, critique, projects and quizzes, the student will be able to analyze the course material and activities to establish a contemporary understanding of new genre and technology-based studio techniques, vocabulary, and methodology.
- Given various studio techniques, the student will be able to employ the studio techniques to demonstrate contemporary competency in craftsmanship and presentation.

MAD191 C - Film Noir Genre

- After analyzing the film viewed as a class, the textbook, and class discussion students will effectively articulate the meaning and importance of filmed content and its relation to the progression of film history.
- Given films from the Film Noir genre students will successfully identify the era the film comes from by evaluating its stylistic characteristics and technical innovations.
- Given multiple films from different Film Noir eras, students will be able to decipher what era each film comes from and be able to examine how they relate or differ developmentally, thematically, and stylistically.

MAD192 C - Great Directors of Cinema

- After analyzing the film viewed as a class, the textbook, and class discussion students will effectively articulate the meaning and importance of filmed content and its directorial style as well as its relation to the progression of film history.
- Given films from directors of different periods and styles students will successfully identify if a film comes from the auteur evaluating its stylistic characteristics and technical innovations.
- Given multiple directors from different aesthetic approaches, students will be able to decipher what era each director comes from and be able to examine how they relate or differ developmentally, thematically, and stylistically.

MAD193 C - Introduction to 2D Animation

- Given 2D animation techniques students will successfully identify appropriate planning and execution of timing and drawing skills to render a narrative sequence of drawings.
- Given animation and drawing to represent action, the student will be able to utilize drawing instruments and technology to technically and aesthetically represent realistic motion.
- Within the confines of the 2D animation environment, students will be able to successfully design and animate props and characters that demonstrate their proficiency of movement over time.

MAD194 C - Beginning Motion Picture Prod

- In oral critique and discussion, students will demonstrate and explain the responsibilities of crew members working on a digital production crew.
- Students in the class will be able to recognize and analyze traditional and advanced digital lighting schemes used in a film scene to produce a dramatic visual effect.
- Students in the class will be able to recognize, analyze and represent through the use of video cameras, lighting, software, and grip equipment, advanced motion picture visual composition used in Digital Cinema.
- Students will form small production units which will collaborate to produce short format narrative digital video productions.
- Students will recognize and select the appropriate forms and procedures necessary to conduct a digital production shoot.

MAD195 C - Science Fiction Film Genre

- After analyzing the film viewed as a class, the textbook, and class discussion students will effectively articulate the meaning and importance of filmed content and its relation to the progression of film history.
- Given films from the Science Fiction genre students will successfully identify the era the film comes from by evaluating its stylistic characteristics and technical innovations.
- Given multiple films from different Science Fiction eras, students will be able to decipher what era each film comes from and be able to examine how they relate or differ developmentally, thematically, and stylistically.

MAD196 C - Silent Film Genre

- After analyzing the film viewed as a class, the textbook, and class discussion students will effectively articulate the meaning and importance of filmed content and its relation to the progression of film history.
- Given films from the Silent Film genre students will successfully identify the era the film comes from by evaluating its stylistic characteristics and technical innovations.
- Given multiple films from different Silent Film eras, students will be able to decipher what era each film comes from and be able to examine how they relate or differ developmentally, thematically, and stylistically.

MAD197 C - Western Film Genre

- After analyzing the film viewed as a class, the textbook, and class discussion students will effectively articulate the meaning and importance of filmed content and its relation to the progression of film history.
- Given films from the Western Film genre students will successfully identify the era the film comes from by evaluating its stylistic characteristics and technical innovations.
- Given multiple films from different Western Film eras, students will be able to decipher what era each film comes from and be able to examine how they relate or differ developmentally, thematically, and stylistically.

MAD198 C - History of Graphic Design

- Given films from the Horror Film genre students will successfully identify the era the film comes from by evaluating its stylistic characteristics and technical innovations.
- Given multiple films from different Horror Film eras, students will be able to decipher what era each film comes from and be able to examine how they relate or differ developmentally, thematically, and stylistically.
- After analyzing the film viewed as a class, the textbook, and class discussion students will effectively articulate the meaning and importance of filmed content and its relation to the progression of film history.

MAD199 C - Computer Graphics Studio

- Given lecture, exercises, critique, projects and quizzes, the student will be able to analyze the course material and activities to establish an understanding of vector and raster based software, studio techniques, vocabulary, and methodology.
- Given various studio techniques, the student will be able to employ the studio techniques to demonstrate competency in craftsmanship and presentation with 70% accuracy.
- Students will have the ability to present solutions, analyze and discuss composition and design. Students will also have the ability to make aesthetic judgments about one's own work in relation to our visual world that is personal and global in scope with 70% accuracy.

MAD200 C - Storyboarding, Comics, Pre Vis

- Given design principles and elements of art, the student will be able to identify and organize design elements to communicate an idea, and or illustrate a concept.
- Given design, and drawing software in combination with studio demonstration, the student will be able to utilize analog and digital technology and studio techniques to demonstrate introductory competency in craftsmanship and presentation.
- Given lecture, exercises, and quizzes, the student will be able to analyze a design problem and create a plan that can be executed in such a way as to demonstrate understanding and vision for the problem.

MAD201 C - 3D Typography for Media Design

- Given Adobe After Effects, Cinema 4D and similar computer modeling/animation software applications for digital design, the student will be able to utilize computing technology to technically create typographically driven designs and layouts.
- Given that digital typography and design requires critical thinking and decisions regarding aesthetic values, students will select and apply principles of design to class projects.
- Within the confines of the computer modeling/animation environment, students will be able to successfully design typography based designs that demonstrate their proficiency of computer graphics development.

MAD203 C - Intermediate 2D Animation

- Outcome: Given 2D animation techniques students will successfully identify appropriate planning and execution of timing and drawing skills at an intermediate level to render a narrative sequence of drawings.
- Outcome: Given animation and drawing to represent action, the student will be able to utilize drawing instruments and technology to technically and aesthetically represent realistic motion.
- Outcome: Within the confines of the 2D animation environment, students will be able to successfully design and animate props and characters at an intermediate level that demonstrate their proficiency of movement over time.

MAD204 C - Visual Development and Layout

- Given lecture and hands on exercises the student will be able to analyze the presented material and activities to establish an intermediate understanding of design and technical terms.
- Given research methods the student will be able to create character, prop and background design for their visual development projects.
- Given traditional drawing methods, raster-based or vector-based software such as Photoshop or Illustrator the student will be able to create and organize raster-based or vector-based techniques into a visual development project.

MAD207 C - Projection Map/Live Entertain

- Given digital motion design methods, digital software such as After Effects or Photoshop and other projection mapping software the student will be able to create and organize digital sequences into a projection mapping project.
- Given research methods the student will be able to create digital images for their projection mapping projects.
- Given lecture and hands on exercises the student will be able to analyze the presented material and activities to establish an intermediate understanding of design and technical terms.

MAD210 C - Storyboarding and Layout

- Given 3d software such as Maya or similar 3D software the student will be able to create and organize 3D layout into a concise project.
- Given lecture and hands on exercises the student will be able to analyze the presented material and activities to establish an intermediate understanding of design and technical terms.
- Given research methods the student will be able to create a 3D layout based on a script or storyboard.

MAD295 C - Media Arts Design Internship

- Student will develop marketable skills in preparation for employment or advancement in current job. 2. Student will develop competencies and skills to further their professional development and be competitive in the workforce. 3. Students will apply specific and measureable career objectives that reflect new and enhanced competencies in the workforce.

MAD298 C - MAD Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

Multimedia Dept.

CSLO

MM100 C - Intro to Electronic Media

- Students will be able to identify major historical milestones in in electronic media.

MM101 C - Introduction to Online Learning

- Given multimedia and electronic media created through, WYSISYG software students will successfully identify appropriate multimedia output for various means distribution.
- Given that the creations of multimedia requires critical thinking and decisions regarding aesthetic values, students will select and apply principles of design to class projects.
- Students will be able to identify major historical milestones in in electronic media.
- To be determined with each seminar class
- Within the confines of the multimedia and electronic media environment, students will be able to successfully design and program basic media projects that demonstrate their understanding of various media development.

MM105 C - Intro to Media Aesthetics

- After analyzing the film viewed as a class, the textbook, and class discussion students will effectively articulate the meaning and importance of filmed content and its directorial style as well as its relation to the progression of film history.
- Given films from directors of different periods and styles students will successfully identify if a film comes from the auteur evaluating its stylistic characteristics and technical innovations.
- Given multiple directors from different aesthetic approaches, students will be able to decipher what era each director comes from and be able to examine how they relate or differ developmentally, thematically, and stylistically.

Music Dept.

CSLO

MUS101 C - Music Fundamentals

- Student will demonstrate fundamental music knowledge and skill in pitch identification and recreation at a 90% accuracy rate which includes: Aural Pitch (Pitch Numbers, Note Names, Scales, Sharps and Flats, Intervals - Major, Perfect, Minor, Augmented, Diminished, Chords, Solfegio), and Written Pitch (Note names, Pitch Numbers, Scales, Intervals - Major, Perfect, Minor, Augmented, Diminished, Chords, Sharp, Flat, Natural Signs, Enharmonic notes, Solfegio)

MUS102 C - Music Reading

- Student will demonstrate fundamental music knowledge and skill in pitch identification and recreation at a 90% accuracy rate which includes: Aural Pitch (Pitch Numbers, Note Names, Scales, Sharps and Flats, Intervals - Major, Perfect, Minor, Augmented, Diminished, Chords, Solfeggio), and Written Pitch (Note names, Pitch Numbers, Scales, Intervals - Major, Perfect, Minor, Augmented, Diminished, Chords, Sharp, Flat, Natural Signs, Enharmonic notes, Solfeggio)
- Student will demonstrate fundamental music knowledge and skill in Rhythm recognition, comprehension & execution at a 90% accuracy rate which includes: note and rest values, writing rhythm numbers, time signatures, compound Time, and syncopation.
- Student will demonstrate music knowledge and skill in fundamentals of music reading (Symbols) at a 90% accuracy rate which includes: staff, clef (treble, bass, alto), key signature, meter signature, tempo marking, sharp, flat, natural, enharmonic notes, whole-step and half-step signs, major and minor scales (interval relationships), chromatic scales, circle of fifths, major and minor chords and triads, dynamics symbol, and additional music symbols and terminology

MUS103 C - Theory I

- Students will be able to discuss a piece of music using appropriate vocabulary, demonstrating an understanding of relevant musical structures and materials with 70% accuracy.
- Through creative assignments, students will demonstrate an understanding of the aesthetic and technical content of the course with 70% accuracy.
- Through written work and analysis, students will demonstrate an understanding of diatonic harmonic progression and four-part voice-leading with 70% accuracy.
- Through written work and class discussion, students will demonstrate an understanding of the global and historical context of the musical materials covered, and how these materials inform the music of today, with 70% accuracy.

MUS104 C - Musicianship I

- In performance and dictation, students will demonstrate an understanding of the link between musicianship and the theoretical concepts covered in their coursework with 70% accuracy.
- Students will be able to discuss a piece of music's aesthetic, theoretical, and practical characteristics, using appropriate vocabulary, with 70% accuracy.
- Students will demonstrate the ability to dictate stepwise melodies in major and minor, divided-beat rhythms in simple and compound meters, and basic diatonic chord progressions, with 70% accuracy.
- Using their voices, bodies, and instruments, students will be able to sight-read stepwise melodies in major and minor and divided-beat rhythms in simple and compound meters with 70% accuracy.
- Working in small groups, students will demonstrate an understanding of the cooperation and awareness required for successful music making, performing with 70% accuracy.

MUS105 C - Theory II

- Students will be able to discuss a piece of music using appropriate vocabulary, demonstrating an understanding of relevant musical structures and materials with 70% accuracy.
- Through creative assignments, students will demonstrate an understanding of the aesthetic and technical content of the course with 70% accuracy.
- Through written work and analysis, students will demonstrate an understanding of four-part voice-leading, diatonic and chromatic harmonic progression, and binary and ternary forms with 70% accuracy.
- Through written work and class discussion, students will demonstrate an understanding of the global and historical context of the musical materials covered, and how these materials inform the music of today, with 70% accuracy.

MUS106 C - Musicianship II

- In performance and dictation, students will demonstrate an understanding of the link between musicianship and the theoretical concepts covered in their coursework with 70% accuracy.
- Students will be able to discuss a piece of music's aesthetic, theoretical, and practical characteristics, using appropriate vocabulary, with 70% accuracy.
- Students will demonstrate the ability to dictate melodies in major and minor featuring leaps from the primary triads, subdivided-beat rhythms in simple and compound meters, and basic diatonic chord progressions, with 70% accuracy.
- Students will recognize and identify, by ear, simple chord progressions with 70% accuracy.
- Using their voices, bodies, and instruments, students will be able to sight-read melodies in major and minor featuring leaps from the primary triads, as well as subdivided-beat rhythms in simple and compound meters with 70% accuracy.
- Working in small groups, students will demonstrate an understanding of the cooperation and awareness required for successful music making, performing with 70% accuracy.

MUS108 C - Intro to Music Technology

- Upon completion of this course the student will be able to program various synthesizers, drum machines, and samplers with 70% accuracy.

MUS111 C - The Music Business

- The student will be able to name and describe the use of the bundle of rights of copy right from memory with 85% accuracy.

MUS113 C - Jazz History

- Construct a timeline of the History of Jazz from memory with 70% accuracy.

- Students be able to determine the effects of social, political and economic influences on jazz music and vice versa with 70% accuracy.
- Students will be able to differentiate the various musical genres in jazz with 70% accuracy

MUS114 C - History of Hip Hop - Rap

- Students will be able to compare east coast and west coast hip hop in terms of culture, rappers, and musical style
- Students will be able to listen to hip hop music and identify the artist, song and genre with 70% accuracy

MUS116 C - Music Appreciation

- Upon course completion, students will be able to demonstrate verbally and in written form a comprehensive knowledge of specific composers and their respective historical periods. They will also be familiar with each composer's unique contributions to music, with a 75% level of accuracy.
- Upon course completion, students will be able to visually and aurally identify the primary instruments of modern music ensembles, with a 75% level of accuracy.
- Upon course completion, the student will have a comprehensive knowledge of the standard time line of music history as divided into the accepted periods, i.e. Medieval (Romanesque, Gothic), Renaissance, Baroque, Classical, Romantic (19th Century), Modern, with a 75% level of accuracy.

MUS117 C - American Popular Music

- Upon completion of the course, the student will be able to identify styles, composers and time periods of recorded music with 75% accuracy. Active Upon completion of the course, the student will be able to discuss styles, elements and artists that are appropriate to the subject and demonstrate a general understanding of the social and cultural ideas that affect the history of American Popular Music with 75% accuracy.

MUS118 C - Introduction to Opera

- Throughout the course, students will successfully prepare a critique and music review of an opera that evaluates performance skills, production values that measures audience reaction.
- Upon completion of the course students will be able to complete a listening identification test with 70% accuracy
- Upon completion of the course students will be able to recognize and use music and opera theater terms with 70% accuracy.

MUS118 HC - Honors Introduction to Opera

- Upon completion of the course students will be able to identify opera selections by title, composer, and scene with 80% accuracy
- Upon completion of the course students will be able to recognize and use music and opera theater terms with 80% accuracy.

MUS119 C - History of Rock Music

- Upon completion of MUS 119C The History of Rock, the student will be able to discuss styles, elements and artists that are appropriate to the subject and demonstrate a general understanding of the social and cultural ideas that affect the history of Rock Music with 70% accuracy.
- Upon completion of MUS 119C The History of Rock, the student will be able to identify genres, artists, and time periods of recorded music with 70% accuracy.

MUS120 C - Survey of Music History

- Upon completion of this course the student will be able to aurally identify music from the Medieval, Renaissance, Baroque, Classical, Romantic, and Modern eras with 85% accuracy.

MUS124 C - Recording Studio I

- Students will be able to create a simple mixdown with 70% Accuracy

MUS127 C - Music in Film

- Outcome: Upon completion of MUS , the student will be able to discuss styles, elements and film composers and demonstrate a general understanding of the historical and social ideas that affect music in film with 75% accuracy.

MUS131 C - Electric Bass

- The student will be able to play with 80% accuracy, Major and Minor scales in all 12 keys. All scales will be performed one octave, using correct fingering, where each note is an eighth note and the beats per minute is set at 80 beats per minute.

MUS143 C - Beginning Strings

- The student will be able to play with 70% accuracy, G, D, A, and C Major Scales using correct fingering, where each note is played as eighth notes and the beats per minute is set at 70 beats per minute.

MUS146 C - Woodwind Class

- The student will be able to play with 70% accuracy, G, D, A, and C Major Scales using correct fingering, where each note is played as eighth notes and the beats per minute is set at 70 beats per minute.

MUS152 C - Percussion Class

- At the completion of this course the student will be able to demonstrate the proper sticking technique and command of all drum rudiments from the accepted rudiment practice book, with 75% accuracy at a tempo of 80bpm.

- The student will be able to demonstrate with 80% accuracy the ability to read notes in a melodic line and execute rhythms and articulations as directed in the given music.

MUS156 C - Jazz Improv - Instrumental

- Upon successful completion of MUS 156 C Beginning Jazz Improvisation - Instrumental, the student will be able to critique and analyze improvisational techniques used on jazz recordings.
- Upon successful completion of MUS 156 C Beginning Jazz Improvisation - Instrumental, the student will be able to identify minor seventh, dominant seventh, major seventh, half-diminished and suspended dominant chords.

MUS157 C - Jazz Improvisation - Vocal

- Given various musical examples, students will be able to play a melody and construct an improvised solo to include proper pitch, articulation, dynamics, rhythm and phrasing.

MUS175 C - Swing Band

- The student will be able to play contrasting styles of literature for swing band using proper dynamics, phrasing, intonation and rhythm at a 70% accuracy rate.

MUS176 C - Popular Songwriting

- Upon completion of Popular Songwriting MUS 176C: The student will be able to construct a melody line and lyric, with the proper lilt, at a 70% success rate.

MUS177 C - Songwriting Workshop

- Upon completion of Songwriters Workshop MUS 177C: The student will be able to demonstrate in a self composed song, prosody in a composition with a 75% success rate.

MUS178 C - Digital Music Technology

- Upon completion of this course the student will be able to program various synthesizers, drum machines, and samplers with 70% accuracy.

MUS203 C - Theory III

- Students will be able to discuss a piece of music using appropriate vocabulary, demonstrating an understanding of relevant musical structures and materials with 70% accuracy.
- Through creative assignments, students will demonstrate an understanding of the aesthetic and technical content of the course with 70% accuracy.
- Through written work and analysis, students will demonstrate an understanding of chromatic harmony and voice-leading, fugal counterpoint, and sonata form with 70% accuracy.
- Through written work and class discussion, students will demonstrate an understanding of the global and historical context of the musical materials covered, and how these materials inform the music of today, with 70% accuracy.

MUS204 C - Musicianship III

- In performance and dictation, students will demonstrate an understanding of the link between musicianship and the theoretical concepts covered in their coursework with 70% accuracy.
- Students will be able to discuss a piece of music's aesthetic, theoretical, and practical characteristics, using appropriate vocabulary, with 70% accuracy.
- Students will demonstrate the ability to dictate melodies featuring chromaticism, syncopated rhythms in simple and compound meters, and chord progressions including chromaticism, with 70% accuracy.
- Using their voices, bodies, and instruments, students will be able to sight-read melodies featuring chromaticism, as well as syncopated rhythms in simple and compound meters with 70% accuracy.
- Working in small groups, students will demonstrate an understanding of the cooperation and awareness required for successful music making, performing with 70% accuracy.

MUS205 C - Theory IV

- Students will be able to discuss a piece of music using appropriate vocabulary, demonstrating an understanding of relevant musical structures and materials with 70% accuracy.
- Through creative assignments, students will demonstrate an understanding of the aesthetic and technical content of the course with 70% accuracy.
- Through written work and analysis, students will demonstrate an understanding of late-nineteenth- and twentieth-century musical developments, including advanced chromaticism, extended harmonies, modes and synthetic scales, and various twentieth-century compositional practices with 70% accuracy.
- Through written work and class discussion, students will demonstrate an understanding of the global and historical context of the musical materials covered, and how these materials inform the music of today, with 70% accuracy.

MUS206 C - Musicianship IV

- In performance and dictation, students will demonstrate an understanding of the link between musicianship and the theoretical concepts covered in their coursework with 70% accuracy.
- Students will be able to discuss a piece of music's aesthetic, theoretical, and practical characteristics, using appropriate vocabulary, with 70% accuracy.

- Students will demonstrate the ability to dictate highly chromatic and twentieth-century melodies, advanced rhythms in complex and mixed meters, and chord progressions including advanced chromaticism and extended chords with 70% accuracy.
- Using their voices, bodies, and instruments, students will be able to sight-read highly chromatic and twentieth-century melodies, as well as advanced rhythms in complex and mixed meters with 70% accuracy
- Working in small groups, students will demonstrate an understanding of the cooperation and awareness required for successful music making, performing with 70% accuracy.

MUS212 C - Music Promotion and Distribution

- At the completion of this course students will be able to define the 7 major global centers in the world and name the countries contained within them with an 85% accuracy rate.

MUS222 C - Audio Production for Film I

- Upon completion of the course, the student will be able to perform simple mixdowns which will include: creating a new session, creating new tracks, importing audio, automating volume and pan, and bouncing to disk, with 70% accuracy.

MUS223 C - Audio Production for Film II

- Upon completion of the course, the student will be able to perform simple mixdowns which will include: creating a new session, creating new tracks, importing audio, automating volume and pan, and bouncing to disc, with 70% accuracy. Active

MUS225 C - Applied Music

- Applied Music students will demonstrate intermediate to advanced skill in a graded faculty evaluation (Jury) at a 95% level of proficiency.
- Applied Music students will demonstrate intermediate to advanced skill in public performance at a 95% level of proficiency.
- As participants in the Applied Music program, students will demonstrate intermediate to advanced skill development at a 90% level of proficiency.
- Music students will receive individual (studio) instruction from a member of the Cypress College music faculty. The students will be required to attend lessons, and display definitive progress in their musical development at a 95% degree of proficiency
- Students writing, perception and communication skills will be assessed at an 80% level of proficiency.

MUS229 C - Vocal Repertoire

- Students will be able to perform a song in the traditional styles, using lyric diction, and performance skills in tempo, at a 70% accuracy rate.

MUS235 C - Commercial Guitar and Bass

- The student will be able to play with 80% accuracy, all Major, Minor, and Dominant seventh chords in all inversions around the circle of fifths, where each chord is equal to a half note and the beats per minute is set at 80 beats per minute.

MUS238 C - Popular Piano

- The student will be able to play all major/minor scales, two octaves, with both hands, using proper fingering, at 90bpm using eighth notes at 90% success rate.

MUS260 C - Classical Guitar Ensemble

- Students will individually perform musical literature on their guitar with correct fingering and notation with 70% accuracy with a metronome at the appropriate tempo for each song.

MUS261 C - String Ensemble

- Students will individually perform musical literature on their instrument with correct fingering and notation with 70% accuracy with a metronome at the appropriate tempo for each song.

MUS273 C - Concert Band

- The student will be able to play with 70% accuracy, all Major, Minor and Chromatic Scales using correct fingering, where each note is played as a thirty-second note and the tempo is 60 beats per minute.

MUS274 C - Cypress Symphonic Winds

- The student will be able to play contrasting styles of literature for symphonic wind ensemble using proper dynamics, phrasing, intonation and rhythm at a 90% accuracy rate.

MUS276 C - Jazz Band

- Upon completion of the course, students will understand and perform musical styles such as Latin, rock, swing and fusion as they relate to jazz band music with 75% accuracy.

MUS280 C - Jazz/Musical Theater Choir

- Student will be able to perform assigned repertoire at a 98% note accuracy rate.
- Student will demonstrate essential comprehension of artistic music phrasing & dynamics a 95% rate of accuracy.
- Student will demonstrate fundamental music skills as a member of the Jazz/Musical Theater Choir with a 90% rate of accuracy.
- Student will successfully perform public concerts.

MUS281 C - Concert Choir

- Student will be able to perform assigned repertoire at a 98% note accuracy rate.
- Student will demonstrate essential comprehension of artistic music phrasing & dynamics at a 90% level of accuracy
- Student will demonstrate fundamental music skills as a member of the Concert Choir at a 90% level of accuracy
- Student will successfully perform public concerts.

MUS282 C - Cypress Masterworks Chorale

- Student will be able to perform assigned repertoire at a 99% note accuracy rate.
- Student will demonstrate essential comprehension of artistic music phrasing & dynamics with a 96% accuracy
- Student will demonstrate fundamental music skills as a member of the Cypress Masterworks Chorale with a 90% accuracy
- Student will successfully perform public concerts.

MUS283 C - Cypress Singers

- Student will be able to perform assigned repertoire at a 99% note accuracy rate.
- Student will demonstrate fundamental music skills as a member of the Cypress Singers with a 90% accuracy

MUS285 C - Chamber Singers

- Student will demonstrate fundamental music skills as a member of the Chamber Singers with a 90% accuracy

MUS287 C - Vocal Jazz Ensemble

- The student will accurately perform their voice part from memory on all vocal material assigned during the course of the instructional period with the proper jazz articulation, dynamics, phrasing, timbre and style.

MUS295 C - Music Internship

- The student will be able to develop and fulfill 3-5 individualized learning objectives, both specific and measurable, describing the application of skills learned in the classroom that will be applied in the workplace.

MUS298 C - Music Seminar

- To be determined with each seminar class

MUS298 DC - Electronic Music 1

- To be determined with each seminar class

MUS298 FC - Brass Seminar

- The student will be able to play with 70% accuracy, all Major, Minor and Chromatic Scales using correct fingering, where each note is played as a thirty-second note and the tempo is 60 beats per minute.

MUS299 C - Music - Independent Study

- Students will present to Cypress College a quality research project that demonstrates advanced understanding in an area related study.

MUSA104 C - Introduction to Concert Hour

- Upon successful completion of MUSA 104 C Introduction to Concert Hour, the student will be able to appraise the quality of a performance at a beginning level, based upon standardized performance criteria for the concert artist.
- Upon successful completion of MUSA 104 C Introduction to Concert Hour, the student will be able to complete a minimum of two concert reports, accurately describing the musical elements of given concerts; reports will also include critique of given concerts.
- Upon successful completion of MUSA 104 C Introduction to Concert Hour, the student will be able to identify proper concert etiquette as a performer and as an audience member.

MUSA105 C - Beginning Concert Hour

- Upon successful completion of MUSA 105 C Beginning Concert Hour, the student will be able to create a successful performance recital program.
- Upon successful completion of MUSA 105 C Beginning Concert Hour, the student will be able to demonstrate correct performance etiquette.
- Upon successful completion of MUSA 105 C Beginning Concert Hour, the student will be able to evaluate the quality of performance.
- Upon successful completion of MUSA 105 C Beginning Concert Hour, the student will be able to self-evaluate one's own performance against a performance standard.

MUSA106 C - Intermediate Concert Hour

- Upon successful completion of MUSA 106 C, the student should demonstrate the ability to evaluate his/her performance both in writing and orally.

- Upon successful completion of MUSA 106 C, the student will be able to construct and execute a successful recital program with a intermediate level of performance standards and complexity.
- Upon successful completion of MUSA 106 C, the student will be able to appraise the quality of a performance based upon standardized performance criteria for live performance, increasing standards and complexity of evaluation
- Upon successful completion of MUSA 106 C, The student will be able to demonstrate proper concert etiquette as both a performer and an audience member.
- Upon successful completion of MUSA 106 C, the student will demonstrate second year college writing standards in developing concert reports and use an increasingly sophisticated set of performance standards and knowledge of music history, genres, and styles.

MUSA107 C - Advanced Concert Hour

- Upon successful completion of MUSA 107 C, the student will be able to describe both orally and in writing correct professional etiquette for a performer and a listener.
- Upon successful completion of MUSA 107 C the student will be able to create a concert report that demonstrates sophomore level proficiency in essay writing and music major competencies in evaluating a performance artist or group.
- Upon successful completion of MUSA 107 C, the student will be able to construct and perform a recital program that challenges and advanced performer and engages one' audience emotionally and intellectually.
- Upon successful completion of MUSA 107 C, the student will be able to critically evaluate his/her own performance on the basis of technical execution, expressiveness, and connection to one's audience.
- Upon successful completion of MUSA 107 C, the student will be able to demonstrate advanced skills in assessing performances on the basis of technical execution, interpretation and expressiveness, and connection to one's audience.

MUSA111 C - Beginning Voice

- Upon successful completion of MUSA 111 Beginning Voice, the student will be able to discriminate and differentiate accurate pitches.
- Upon successful completion of MUSA 111 C Beginning Voice, the student will be able to apply rudimentary breath management skills to performance.
- Upon successful completion of MUSA 111 C Beginning Voice, the student will be able to begin to create and maintain a character while performing.
- Upon successful completion of MUSA 111 C Beginning Voice, the student will be able to demonstrate correct posture and body alignment.
- Upon successful completion of MUSA 111 C Beginning Voice, the student will be able to distinguish between an open vocal tract and a closed vocal tract and demonstrate a vocal tract that is open and tension free.
- Upon successful completion of MUSA 111 C Beginning Voice, the student will be able to establish healthy singing habits.
- Upon successful completion of MUSA 111 C Beginning Voice, the student will be able to perform a minimum of three songs in a classroom recital.

MUSA112 C - Intermediate Voice I

- Upon successful completion of MUSA 112 C Intermediate Voice I, the student will be able to apply the principles of Italian diction to the assigned repertoire.
- Upon successful completion of MUSA 112 C Intermediate Voice I, the student will be able to demonstrate correct posture for singing.
- Upon successful completion of MUSA 112 C Intermediate Voice I, the student will be able to distinguish between clavicular inhalation and intercostal inhalation and consistently use intercostal inhalation for breath management in singing.
- Upon successful completion of MUSA 112 C Intermediate Voice I, the student will be able to evaluate his/her own vocal tract and self-correct to a desirable open vocal tract.
- Upon successful completion of MUSA 112 C Intermediate Voice I, the student will be able to judge professional performers in CD performances of Italian art songs, and compare and contrast the performers technique and interpretation.
- Upon successful completion of MUSA 112 C Intermediate Voice I, the student will be able to perform from memory an assigned number of songs.

MUSA120 C - Beginning Guitar

- The student will be able to play with 80% accuracy, all Major chords around the circle of fifths, using correct fingering, where each chord is played as whole notes and the beats per minute is set at 80 beats per minute
- Upon successful completion of MUSA 120 C Beginning Guitar, the student will be able to demonstrate proper guitar technique for both right and left hands.
- Upon successful completion of MUSA 120 C Beginning Guitar, the student will be able to relate notes on a music staff with their location on the guitar fretboard in 1st position.

MUSA121 C - Intermediate Guitar

- Upon successful completion of MUSA 121 C, the student will be able to demonstrate an ability to play guitar "fingerstyle."
- Upon successful completion of MUSA 121 C, the student will be able to perform four selected pieces for solo guitar at an appropriate level.
- Upon successful completion of MUSA 121 C, the student will be able to relate notes on a music staff with their location on the guitar fretboard, all positions.

MUSA130 C - Intro to Piano for Non-Majors

- Upon completion of the MUSA 130 C Introduction for Piano for Non-Music majors, the student will be able to construct a major and minor five-finger pattern in all white keys.
- Upon completion of the MUSA 130 C Introduction for Piano for Non-Music majors, the student will be able to demonstrate successful performance of assigned pieces.
- Upon completion of the MUSA 130 C Introduction for Piano for Non-Music majors, the student will be able to demonstrate understanding of musical notation in a grand staff and read at sight simple five-finger pattern pieces.

MUSA131 C - Keyboard Skills I

- Upon successful completion of MUSA 131 C Keyboard Skills I, the student will be able to construct major and minor five-finger pattern in all keys with I-IV-V6/5-I chord progression.
- Upon successful completion of MUSA 131 C Keyboard Skills I, the student will be able to demonstrate successful performance of elementary to early intermediate pieces.
- Upon successful completion of MUSA 131 C Keyboard Skills I, the student will be able to evaluate, read and transpose five-finger pattern pieces.

MUSA132 C - Keyboard Skills II

- Upon successful completion of MUSA 132 C Keyboard Skills II, the student will be able to demonstrate proper technical approach to playing major and minor scales up to three sharps and three flats with correct fingering.
- Upon successful completion of MUSA 132 C Keyboard Skills II, the student will be able to demonstrate successful performance of pieces including seventh intervals, accidentals, two sharps and two flat key signatures in both major and minor keys.
- Upon successful completion of MUSA 132 C Keyboard Skills II, the student will be able to determine proper use of damper pedal.

MUSA140 C - Music Notation Software I

- Student will be able to notate in various musical styles with an accuracy of 70%

MUSA141 C - Electronic Music Production I

- Students will be able to create a beginning level electronic music composition that demonstrates the techniques covered in class with 70% accuracy

MUSA143 C - Recording Studio Techniques I

- Students will be able to create a beginning level recording that demonstrates the techniques covered in class with 70% accuracy

MUSA145 C - Audio Production for Gaming I

- Students will be able to create beginning level game audio that demonstrates the techniques covered in class with 70% accuracy

MUSA210 C - Advanced Voice

- Upon successful completion of MUSA 210 C Advanced Voice, the student will be able to compare different composers and poets writing in the same idiom with an understanding of the historical background of their milieu.
- Upon successful completion of MUSA 210 C Advanced Voice, the student will be able to demonstrate an understanding of the principles of diction in the assigned language.
- Upon successful completion of MUSA 210 C Advanced Voice, the student will be able to dramatize the required character of the literature while performing.
- Upon successful completion of MUSA 210 C Advanced Voice, the student will be able to establish and use a singing technique that is adequate for the required literature.
- Upon successful completion of MUSA 210 C Advanced Voice, the student will be able to perform confidently for the class and the faculty jury.
- Upon successful completion of MUSA 210 C Advanced Voice, the student will be able to prepare a song text for performance using principles learned about International Phonetic Alphabet (IPA), translation, and expression.

MUSA221 C - Classical Guitar

- Upon successful completion of MUS 221 C, the student will be able to demonstrate proper fingerings and patterns for the Segovia scales 13-24.
- Upon successful completion of MUS 221 C, the student will be able to evaluate and determine the best position on the fretboard to play a particular passage of music.
- Upon successful completion of MUS 221 C, the student will be able to perform 4 level appropriate pieces from selections played in class.

MUSA231 C - Keyboard Skills III

- Upon successful completion of MUSA 231 C Keyboard Skills III, the student will be able to demonstrate successful performance of assigned intermediate repertoire.
- Upon successful completion of MUSA 231 C Keyboard Skills III, the student will be able to determine practical fingering for major and minor scales up to four sharps and four flats.
- Upon successful completion of MUSA 231 C Keyboard Skills III, the student will be able to develop sight-reading and transposing skills to

include pieces that extend past the 5-finger pattern.

MUSA232 C - Keyboard Skills IV

- Upon successful completion of MUSA 232 C Keyboard Skills IV, the student will be able to critique peer performances.
- Upon successful completion of MUSA 232 C Keyboard Skills IV, the student will be able to demonstrate late-intermediate technique in creating keyboard harmony and harmonizing a given melody.
- Upon successful completion of MUSA 232 C Keyboard Skills IV, the student will be able to demonstrate successful performance of assigned late-intermediate piano literature.

MUSA241 C - Electronic Music Production II

- Students will be able to create an intermediate level electronic music composition that demonstrates the techniques covered in class with 70% accuracy

MUSA243 C - Recording Studio Techniques II

- Students will be able to create an intermediate level recording that demonstrates the techniques covered in class with 70% accuracy

MUSA245 C - Audio Production for Gaming II

- Students will be able to create intermediate level game audio that demonstrates the techniques covered in class with 70% accuracy

Photography Dept.

CSLO

PHOT050 C - Photography Special Projects

- Given a photographic theme the student will be able to produce a portfolio of images that visually explore concepts and ideas related to that theme.
- Given the proper studio lighting equipment, the student will be able to demonstrate professional lighting skills for people and products in the studio or on location.

PHOT101 C - Introduction to Photography

- Using basic camera functions such as shutter speeds and f-stops students successfully create a series of images to demonstrate their ability to control the look of motion and depth of field.
- Using basic principles of lighting and posing techniques, students will produce a series of window-light portraits that demonstrate their ability to see and utilize light in order to compliment the features of their subject comparable to the minimum standards of a professional portrait studio.
- Using basic visual concepts including compositional guidelines, students will produce images in the studio or their personal environments that demonstrate their ability to communicate ideas pictorially based on professionally accepted criteria.
- Utilizing equipment in the computer and darkroom labs, students will produce quality photographic prints.

PHOT103 C - Intermediate Photography

- Given camera and metering instruction, the student will be able to properly expose films or digital sensors to create an image with the proper range of tones.
- Given hardware and imaging software, the student will be able to perform basic scanning, printing, and image control operations with digital imaging systems.

PHOT104 C - Wedding and Event Photography

- Given a group of people, camera, speed lights and an available lighting scenario, student will be able to produce a professional appearing portrait.

PHOT106 C - Advanced Wedding Photography

- Given the proper photographic equipment, the student will be able to demonstrate professional skills and capture flattering portraits of their subjects in both outdoor and indoor environments.

PHOT109 C - Portrait Photography

- Given the proper photographic lighting equipment, the student will be able to demonstrate professional lighting skills of portrait subjects in available light and studio environments.
- Given various photographic shooting situations, students will be able to select and utilize the appropriate camera equipment required to produce professional appearing portraits.

PHOT110 C - About Faces: Portraiture

- Using the skills learned in this class regarding lighting, posing and equipment, students will be able to shoot a variety of different types of portraits in the specialty areas that are popular today (maternity/infant, family, senior, headshots, pets, boudoir, etc.)

PHOT118 C - Available Light Photography

- Given lecture material and doing the corresponding assignments, the student will be able to evaluate effective lighting in the work of others and demonstrate their awareness of the application of the light.
- Given the proper photographic equipment, students will be able to recognize and capture appropriate professional photographic lighting applications in an ambient light environment .

PHOT148 C - Photo Laboratory Studies I

- Given the use of a Digital SLR, students will be able to demonstrate functions of shutter speeds and aperture settings as they relate to image exposure control.

PHOT149 C - Photo Laboratory Studies II

- Outcome: Given the use of a Digital SLR, students will be able to demonstrate intermediate use of shutter speeds and aperture settings as they relate to image exposure control.

PHOT150 C - Photo Laboratory Studies III

- Outcome: Given the use of a Digital SLR, students will be able to demonstrate advanced use of shutter speeds and aperture settings as they relate to image exposure control.

PHOT200 C - Conceptual Photography

- Given lecture, exercises, and interactive class projects, the student will be able to analyze presented materials and activities to establish an understanding of conceptual thinking as it applies to all aspects of photography and contemporary art practices.
- Given traditional and digital imaging techniques and production capabilities, the student will produce a professionally finished body of conceptually based works that will be presented in a site-specific installation or exhibition on campus or off-site.

PHOT201 C - Intro to Professional Photo

- Given a photographic concept such as one from an art director, the student will be able to translate this concept into a finished photograph that represents the intentions of the art director.
- Given the proper studio lighting equipment, the student will be able to demonstrate professional lighting skills of products and people in a studio environment.

PHOT202 C - Contemporary Photography

- Given lecture material and assigned readings, the student will be able to analyze and evaluate the importance of why photographs are created and the success of what they communicate.
- Given lecture material and assigned readings, the student will be able to identify and interpret the work of significant contemporary photographers and artists working from 1970 to present day through a historical evaluation of the genre of contemporary photography.

PHOT203 C - Studio Lighting Techniques

- Given a variety of lighting equipment, the student will be able to identify and utilize the proper lighting equipment for studio and location applications to a level of professional standards.
- Given the proper lighting equipment, the student will be able to utilize lighting to emphasize the form, dimension and character of three dimensional objects photographed in a studio environment.

PHOT204 C - History of Photography

- Given information about a wedding event from the bride and groom to be, the student will be able to plan an itinerary for the wedding day's events that meets the expectations of their clients.
- Given the proper photographic equipment, the student will be able to demonstrate professional lighting and posing skills of a wedding party in an available light environment.

PHOT206 C - Studio Practices

- Given a variety of camera and lighting equipment, the student will be able to produce images of subjects with specialized needs and time constraints such as food photographs to professional standards.
- Given digital cameras and imaging software, the student will be able to photograph products while introducing alternative backgrounds and motion effects in order to enhance the impact of the image to professional standards.

PHOT209 C - Careers in Photography

- Given lecture material and assigned readings, the student will be able to prepare promotional material comparable with others seeking work in the professional photographic environment.
- Given lecture material from instructor and guest speakers along with assigned readings, the student will be able to assess the specialized business needs of specific photographic career areas, in order to demonstrate adequate capability to make informed decisions about career options in the photographic profession.

PHOT211 C - Film Photography

- Given lecture material and instructional manuals, the student will be able to compare and contrast current black and white sheet films, color transparency materials and make proper film selection relative to subject matter and lighting conditions.
- Given lecture material and technical testing, the student will be able to produce high quality black and white prints utilizing proper film processing and enlarging techniques.

PHOT215 C - Digital Photography

- Given digital cameras and imaging software, the student will be able to utilize digital technology to demonstrate professional level skills in image capture and digital processing.
- Given imaging software, the student will be able to utilize digital technology to create professionally finished images for portfolio presentation.

PHOT216 C - Advanced Digital Photography

- Given digital cameras and imaging software, the student will be able to utilize digital technology to create multiple image composites.
- Given printer and monitor calibration software, the student will be able to produce inkjet prints with predictable and color accurate results.

PHOT219 C - Editorial Photography

- Given lecture material and assigned readings, the student will be able to evaluate current trends in photojournalism and how they will affect career options and the future direction of the industry.
- Given various photographic shooting situations, students will be able to select and utilize the appropriate camera equipment required to produce professional appearing images suitable for reproduction.

PHOT220 C - Alternative Photo Processes I

- Given lecture material and assigned readings, the student will be able to analyze examples of historical processes and identify specific characteristics of the various processes covered.
- Given lecture material and assigned readings, the student will be able to demonstrate proficiency in hand-coating papers and be able to evaluate special paper surface requirements.

PHOT221 C - Alternative Photo Processes II

- Given lecture material and assigned readings, the student will be able to affix a film matrix to paper flats for use in an exposure box.
- Given lecture material and assigned readings, the student will be able to operate a transmission densitometer to determine density range of an existing negative.

PHOT222 C - Alternative Photo Processes III

- Given lecture material and assigned readings, the student will be able to use a 21-step transmission control wedge for use in determining negative density range and printing paper exposure range of a specific alternative process.
- Given lecture material and assigned readings, the student will be able to enlarge negatives to density ranges of an original negative matrix within guidelines of a specific alternative process.

PHOT223 C - Alternative Photo Processes IV

- Given lecture material and assigned readings, the student will be able to combine various historical processes into a single image using film masks and registered flats.
- Given lecture material and assigned readings, the student will be able to compare and contrast technical challenges and aesthetic differences of historical alternative processes and contemporary printing mediums.

PHOT227 C - Retouching/Digital Workflow

- Using a digital SLR in a studio environment, students will capture optimally exposed images with Adobe Lightroom software based on proper Histogram readings and evaluation.

PHOT230 C - Advanced Retouching and Digital Workflow

- Using a provided Medium Format Camera in the studio, students will successfully tether camera to a computer and capture images using appropriate software.
- Using files captured with a medium format camera in a studio environment, students will process files and deliver them onto a web gallery.

PHOT235 C - Drone Photo and Video

- Given a go pro and a drone, students will capture and edit video images from an aerial perspective.
- Given drone and camera, the student will be able to capture and edit images from an aerial perspective.

PHOT236 C - UAV Flight Lab-Photography

- Given a high end drone, students will demonstrate flight skills and maneuvers along with proper safety procedures.
- Given high end drone and advanced camera, the student will be able to capture and edit images from an aerial perspective.

PHOT277 C - Food Photography

- Given the proper photographic equipment, the student will be able to demonstrate professional food photography skills capturing images in a controlled studio environment.

PHOT298 AC - Gallery/Portfolio Design

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

PHOT298 C - Photography Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

PHOT298 FC - Master Printing/Image Control

- Given digital cameras, computers and imaging software, the student will be able to utilize digital technology to produce exhibition quality images for print and publication. 2. Given software image processing techniques, the student will be able to utilize digital technology to create a professional master portfolio of finished images for presentation.

PHOT299 C - Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract

Theatre Dept.

CSLO

THEA100 C - Introduction to the Theater

- Given an exam students will be able to define basic theatrical terms used by theatrical personnel including actors, directors and designers with 70% accuracy.
- Upon attending a theatrical performance, students will successfully write a theatre critique using a developed set of criteria that analyzes and evaluates production excellence.

THEA101 C - Play Analysis

- Given a scene from an assigned play, students will prepare a scene presentation that demonstrates a basic analysis of a play's structure and performance requirements with 70% accuracy.
- Given a written test, the student will correctly identify and define key elements of dramatic structure and compare and contrast different conventions and genres of assigned plays with 70% accuracy.

THEA102 C - World Theater History I

- On a given essay, students will be able to formulate a thesis that clearly addresses and evaluates a major theater artist, play, genre or innovation related to World Theater History I.
- On an exam students should be able to effectively demonstrate their objective knowledge and comprehension of World Theater History I through short-answer definitions and brief essays with a score of at least 70% accuracy.

THEA107 C - Diversity in American Theater

- On a final exam or final research essay students should be able to effectively demonstrate their objective knowledge and comprehension of diversity in American Theater through short-answer definitions and brief essays or a final research essay with a score of at least 70% accuracy.
- On assigned topics, students will read assigned plays and present group reports identifying evaluating their dramatic structures and the playwrights' cultural and ethnic backgrounds and themes.

THEA107HC - Honors Diversity in AmTheater

- On a given research essay, honors students will be able to formulate a thesis that clearly addresses and evaluates a major theater artist and/or theater company related to Diversity in American theater.
- On an exam honors students should be able to effectively demonstrate their objective knowledge and comprehension of diversity in American Theater through short-answer definitions and brief essays.

THEA108 C - Stage and Screenwriting

- Students will compose a scene of dialog between characters that illustrates the relationships in the scene, creates a story action driven by an inciting event and dramatizes the student authors intent.
- Students will compose short play or a first act of a full-length play that demonstrate the basic principles of incident and plot, central and secondary characters, plots and subplots and a rising dramatic action.

THEA120 C - Acting I

- Students will perform a two-person scene that requires them to create staging that accurately illustrates the basic principles of stage geography and blocking.
- Students will present a two-person scene that demonstrates their proficiency with the basic principles of interpreting dialog and active listening.

THEA121 C - Dynamic Movement for the Stage

- Students will perform a two person scene from contemporary dramatic literature that demonstrates their ability to create a physical character based on the requirements of the performance space.
- Students will perform a two person scene from contemporary dramatic literature that demonstrates their ability to create a physical character based on the requirements of the text.

THEA124 C - Acting II

- Given a scene or monologue, students will create and justify the appropriate behavior that fulfills the given circumstances of their character with 70% accuracy.

- Given a scene, students will identify and justify the needs, pursuits and emotions that fulfill their relationships onstage as demanded by the given circumstances of their character with 70% accuracy.

THEA125 C - Acting III

- Given a scene, students will prepare and demonstrate with a partner intermediate, disciplined rehearsal techniques that are required for creating ensemble explorations of a play with 70% accuracy.
- Given a two-person scene, the student will provide a written scene report/analysis that correctly analyzes and evaluates, on an intermediate level, the given circumstances, character obligations, and objectives with 70% accuracy

THEA126 C - Musical Theater Techniques I

- Students will perform for the class a song from the American musical theater repertoire. The performance will demonstrate the student's ability to communicate the dramatic content of the song through vocal interpretation with 70% success.
- Students will perform for the class a song from the American musical theater repertoire. They will demonstrate the ability to sing on pitch, with the correct musical rhythms and in proper synchronicity with the piano accompaniment with 70% success

THEA127 C - Musical Theater Techniques II

- Students will perform for the class a song from the American musical theater repertoire. They will demonstrate the ability to sing and make movement choices appropriate to the character of the song with 70% accuracy.
- Students will perform for the instructor two 16 bar cuttings as a musical theater audition package. The performance will demonstrate the student's ability to communicate the dramatic content of the chosen material through vocal interpretation with 70% success

THEA128 C - Acting for the Camera

- Students will perform a two-person scene from a screenplay that requires them to create staging that accurately illustrates the basic principles of blocking in a three-camera setup.
- Students will present a two-person scene from a screenplay that demonstrates their proficiency with the basic principles of interpreting dialog and active listening.

THEA129 C - Voice and Diction

- Students will perform in class a two-person scene from dramatic literature that demonstrates their working knowledge and ability to deliver spoken dialogue using the various elements of articulation and diction for the theater.
- Students will perform in class a two-person scene from dramatic literature that demonstrates their working knowledge and ability to deliver spoken dialogue using the various elements of proper vocal production for the theater.

THEA130 C - Acting Workshop

- Given a performance project for festival competition students will demonstrate rehearsal skills and production preparations required by the assigned project with 70% accuracy.
- Given a theater performance in front of an audience, students will demonstrate performance and production skills required by the assigned festival competition project with 70% accuracy.

THEA132 C - Musical Theater Performance I

- Given a fully staged musical production, students will be able to demonstrate their ability to synthesize singing and acting into a unified theatrical performance with 70% accuracy.

THEA133 C - Rehearsal Performance I

- Given a performance project students will demonstrate rehearsal skills and production preparations required by the assigned project with 70% accuracy.
- Given a theater performance in front of an audience, students will demonstrate performance and production skills required by the assigned project with 70% accuracy.

THEA134 C - Auditions for Theater/Film

- Given an audition scene and monologue, students will prepare and demonstrate with a partner and by themselves disciplined rehearsal techniques that are required for preparing an audition with 70% accuracy.

THEA135 C - Musical Theater Performance II

- Given a fully staged musical production students will be able to demonstrate their ability to synthesize dancing and acting into a unified theatrical performance with 70% accuracy.
- Given a fully staged musical production students will be able to demonstrate their ability to synthesize singing and acting into a unified theatrical performance with 70% accuracy.

THEA136 C - Rehearsal Performance II

- Given a performance project students will demonstrate intermediate rehearsal skills and production preparations required by the assigned project with 70% accuracy.
- Given a theater performance in front of an audience, students will demonstrate intermediate performance and production skills required by the assigned project with 70% accuracy.

THEA137 C - Summer Musical Theater Workshop I

- Students will be able to synthesize the basic musical theater performance techniques of acting, singing and movement into a unified theatrical performance.

THEA138 C - Summer Musical Theater Workshop II

- Students will be able to synthesize on an intermediate level the basic musical theater performance techniques of acting, singing and movement into a unified theatrical performance.

THEA140 C - Introduction to Theater Design

- Given a midterm examination students will be able to define basic design terms used by theatrical personnel including technical directors, stage hands, stage managers and designers with 70% accuracy.
- Upon attending a theatrical performance, students will write a theater critique using a developed set of criteria that analyzes and evaluates theatrical design production excellence and demonstrates their ability to use critical thinking

THEA142 C - Theater Sound and Recording

- Given a quiz, students will be able to define basic sound and recording terms used by theatrical personnel including sound technicians, stage hands, stage managers, and designers with 70% accuracy.
- Upon attending a theatrical performance, students will write a theater critique using a developed set of criteria that analyzes and evaluates sound production excellence and demonstrates their ability to use critical thinking.

THEA143 C - Stagecraft

- Given a midterm examination students will be able to define basic theatrical terms used by theatrical personnel including technical directors, stage hands, stage managers and designers with 70% accuracy.
- Upon attending a theatrical performance, students will write a theater critique using a developed set of criteria that analyzes and evaluates scenic production excellence and demonstrates their ability to use critical thinking.

THEA144 C - Lighting Design Fundamentals

- Given a midterm examination students will be able to define basic lighting terms used by theatrical personnel including master electricians, stage hands, stage managers, and designers with 70% accuracy.
- Upon attending a theatrical performance, students will write a theater critique using a developed set of criteria that analyzes and evaluates lighting production excellence and demonstrates their ability to use critical thinking.

THEA145 C - Fundamentals of Costume Design

- Given a character(s) from a selected play students will create a costume rendering that accurately represents the costume required for that character(s) as established by the playwright and the given circumstances of the play with 70% accuracy.
- Students will create a garment that demonstrates their knowledge and practical application of basic costume construction methods with 70% accuracy.

THEA146 C - Scene Painting

- Students will create an accurate full scale charcoal drawing on a 4'X6' theatrical flat that is based on a smaller painted rendering
- Students will create an accurate full scale painting on a 4'X6' theatrical flat that is based on smaller painted rendering.

THEA147 C - Stage Makeup

- Students will complete a final makeup design project that evaluated proficiency in all phases of theatrical makeup including research, design, application, and removal, with 70% accuracy
- Upon attending a theatrical performance, students will write a theater critique using a developed set of criteria that analyzes and evaluates production excellence of stage makeup and demonstrates their ability to use critical thinking. Upon attending a theatrical performance, students will successfully write a theater critique using a developed set of criteria that analyzes and evaluates production excellence of stage makeup and demonstrates their ability to use critical thinking

THEA148 C - Production Techniques I

- Given a performance project students will demonstrate rehearsal skills and production preparations required by the assigned project with 70% accuracy.
- Given a theater performance in front of an audience, students will demonstrate performance and production skills required by the assigned project with 70% accuracy.

THEA149 C - Stage Crew I - Running

- Given a theater production students will demonstrate technical theater skills as required by their assigned production crew with 70% accuracy.

THEA150 C - Stage Crew II Production Prep

- Given a theater production students will demonstrate technical theater skills as required by their assigned production crew with 70% accuracy.

THEA151 C - Stage Crew III Costume/Makeup

- Given a theater production students will demonstrate technical theater skills as required by their assigned production crew with 70% accuracy.

THEA152 C - Stage Crew IV House-Box Office

- Given a theater production students will demonstrate technical theater skills as required by their assigned production crew with 70% accuracy.

THEA155 C - Production Techniques II

- Given a performance project students will demonstrate the production skills required by the assigned project with 70% accuracy.
- Given a theater performance in front of an audience, students will demonstrate the production skills required by the assigned project with 70% accuracy.

THEA156 C - Production Techniques III

- Given a performance project students will demonstrate the production preparation skills required by the assigned project with 70% accuracy.
- Given a theater performance project students will demonstrate the production preparation skills required by the assigned project with 70% accuracy.

THEA220 C - Acting IV

- Given a scene, students will prepare and demonstrate with a partner advanced, disciplined rehearsal techniques that are required for creating ensemble explorations of a play with 70% accuracy.
- Given a two-person scene, the student will provide a written scene report/analysis that correctly analyzes and evaluates given circumstances, character obligations, and objectives with 70% accuracy

THEA225 C - Directing for the Theater

- Given a scene, student directors will prepare and demonstrate with actors, disciplined rehearsal techniques that are required for creating ensemble explorations of a play with 70% accuracy.
- Given an exam student directors will be able to define and evaluate a director's basic areas of responsibility and collaboration with the artistic and production staff of a professional theater.

THEA226 C - Musical Theater Techniques III

- Given a class performance of a musical theater scene from the American musical theater repertoire, students will be able to communicate the needs and actions of a character using the proper musical style as required by the literature with 70% accuracy.
- Given a class performance of a musical theater scene from the American musical theater repertoire, students will be able to sing with an acting partner on pitch, in harmony, with the correct musical rhythms, proper synchronicity and piano accompaniment with 70% accuracy.

THEA227 C - Musical Theater Techniques IV

- Given a class performance of a musical theater scene and song from the American musical theater repertoire, students will be able to successfully communicate story, character and dramatic intent to an audience with 70% accuracy.

THEA228 C - Advanced Acting for the Camera

- Given a scene from a screenplay, students will demonstrate their ability to match their performance for continuity with 70% accuracy
- Given a scene from a screenplay, students will identify and justify the needs, pursuits and emotional dynamics that fulfill their relationships on camera as demanded by the given circumstances of their character with 70% accuracy.

THEA230 C - Directing Actors for Film and TV

- Given a scene, student directors will prepare and demonstrate with actors, disciplined rehearsal techniques that are required for camera blocking a scene from a film script with 70% accuracy.
- Given an exam student directors will be able to define and evaluate a director's basic areas of responsibility and collaboration with the artistic and production team for a film.

THEA232 C - Musical Theater Performance III

- Given a fully staged musical production, students will be able to demonstrate their knowledge of musical theater styles and their corresponding acting choices with 70% accuracy.

THEA233 C - Musical Theater Performance IV

- Given a fully staged musical production, students will be able to demonstrate their knowledge of musical theater styles and their corresponding singing choices with 70% accuracy

THEA234 C - Rehearsal Performance III

- Given a performance project students will demonstrate intermediate to advanced rehearsal skills and production preparations required by the assigned project with 70% accuracy.
- Given a theater performance in front of an audience, students will demonstrate intermediate to advanced performance and production skills required by the assigned project with 70% accuracy.

THEA235 C - Experimental Theater

- Given a performance project students will demonstrate rehearsal skills and production preparations required by the assigned project with 70% accuracy.
- Given a theater performance in front of an audience, students will demonstrate performance and production skills required by the assigned project with 70% accuracy.

THEA236 C - Summer Theater Workshop I

- Given a new play or performance project students will demonstrate basic rehearsal, development and performance skills required by the

assigned project with 70% accuracy.

THEA237 C - Summer Theater Workshop II

- Given a new play or performance project students will demonstrate rehearsal, development and performance skills on an intermediate level required by the assigned project with 70% accuracy.

THEA238 C - Rehearsal Performance IV

- Given a performance project students will demonstrate rehearsal skills and production preparations on an advanced level required by the assigned project with 70% accuracy.

THEA247 C - Prosthetic Makeup

- Based on the requirements of a makeup design sketch, students will create a finished prosthetic appliance that is usable in a theatrical production.

- Students will demonstrate their ability to render a sketch that fulfills all of the required elements of a successful make design project.

THEA298 C - Theater Arts Seminar

- Not required for the seminar shell.

THEA299 C - Theater Arts-Independent Study

- Students will present to Cypress College a quality research project that demonstrates advanced understanding in an area related study.

Health Science Div.

Dental Assisting Dept.

CSLO

DA016 C - Dental Materials

- Through lecture presentations in PowerPoint format, modular handouts and AV media, the student will successfully gain knowledge in the structure, chemical and physical properties and manipulation of materials used in dentistry. In corresponding laboratory activities, the student will practice and demonstrate proficiency in the following: 1. Manipulate all dental materials according to the manufacturer's specifications. 2. Select, mix, and place dental materials for the appropriate Chairside procedures by the Dental Assistant and Registered Dental Assistant.

DA058 C - Clinical Externship I

- Through a minimum of eight hours a week will be spent in clinical rotations in dental offices emphasizing beginning level skills and training for the dental assistant, the student will successfully assist the dentist in general practice principles and procedures. In corresponding laboratory activities, the student will practice and demonstrate proficiency in the following: 1. Perform those basic functions delegated to the Dental Assistant in general practice.

DA059 C - Clinical Externship II

- Through a minimum of six hours a week will be spent in clinical rotations in dental offices in advanced skills and training, the student will successfully assist the dentist in general practice expanded duties, principles and procedures. In corresponding laboratory activities, the student will practice and demonstrate proficiency in the following: 1. Perform those advanced functions delegated to the Dental Assistant and Registered Dental Assistant in general practice.

DA061 C - Oral Anatomy/Dental Assisting

- Through lecture presentations in PowerPoint format, modular handouts and AV media, the student will successfully gain knowledge in basic dental sciences including dental anatomy and physiology, oral embryology, tooth histology, and morphology, and innervation of the oral cavity essential to the proper care of patients during clinical treatment.

DA062 C - Preventive Dental Health-Basic

- Through lecture presentations in PowerPoint format, modular handouts and AV media, the student will successfully gain knowledge in the concepts of dental health and total patient care by providing instruction and practice of oral hygiene, production of plaque (etiological factors and effective removal of plaque).

- Through lecture presentations in PowerPoint format, modular handouts and AV media, the student will successfully gain knowledge in the management of dental and medical emergencies, taking and evaluating a medical/dental history and systemic diseases with dental care implications. Knowledge gained during lectures will be tested by written examination, and workbook assignments, with a minimum of 75% point value expected proficiency as passing.

DA063 C - Chairside Assisting I

- Through lecture presentations in PowerPoint format, modular handouts and AV media, the student will successfully gain knowledge in chairside assisting, which includes history of dentistry, the dental health team, pre-clinical knowledge and entry-level skills for the dental assistant, advancing the application of theoretical knowledge, and principles of restorative dentistry. In corresponding laboratory activities, the student will practice and demonstrate proficiency in the following: 1. Demonstrate the use, care and maintenance of dental equipment. 2. Select, mix, and place dental restorative materials for the appropriate chairside procedures by the Dental Assistant. 3. Demonstrate the use, care and maintenance of instruments for chairside procedures, including oral evacuation, topical anesthesia, anesthetic syringe, and rubber dam.

DA065 C - Radiology/Dental Assisting

- Students will successfully gain knowledge in the relationship of legal stipulation of dental radiographs in the California Dental Practice Act and implemented by the Board of dental Examiners. Knowledge gained during lectures will be tested by written examination, as well as various methods of assignments with a passing overall minimum proficiency of 75% expected point value.
- Through lecture presentations in PowerPoint format, modular handouts and AV media, the student will successfully gain knowledge in the principles, instrumentation, and procedures to expose intra-oral radiographs pre-clinical and clinical as required by the California State Dental Practice Act in regard to radiation safety. In corresponding laboratory activities, the student will practice and demonstrate proficiency in the following: 1. Exposing intra-oral radiographs using the bisecting angle technique and paralleling technique on mannequins using film and/or imaging receptor. 2. Exposing intra-oral radiographs bisecting angle technique and/or paralleling technique on clinical patients using film and/or imaging receptor. 3. Demonstrate the exposure of extra-oral radiographs using a panelipse machine.

DA066 C - Radiology II/Dental Assisting

- Through lecture presentations in PowerPoint format, modular handouts and AV media, the student will successfully gain knowledge in the principles, instrumentation, and procedures to expose intra-oral and extra-oral radiographs. In corresponding laboratory activities, the student will practice and demonstrate proficiency in the following: 1. Exposing intra-oral radiographs using the bisecting angle technique and paralleling technique. 2. Exposing extra-oral radiographs using the panelipse machine.

DA067 C - Dental Specialties

- Through lecture presentations in PowerPoint format, modular handouts and AV media, the student will successfully gain knowledge in the principles and procedures to function in the specialty area of dentistry: Orthodontics, Periodontics, Endodontics, Pediatric dentistry, Prosthodontics, and Oral Surgery. In corresponding laboratory activities, the student will practice and demonstrate proficiency in the following: 1. Perform those functions delegated to the Dental Assistant and Registered Dental Assistant in the specialty areas using proper instrument selection and management without causing trauma to the tissue.

DA068 C - Chairside Assisting II

- Through lecture presentations in PowerPoint format, modular handouts and AV media, the student will successfully gain knowledge in the principles, instrumentation, and procedures to function as a Registered Dental Assistant according to the legal stipulation in the California dental Practice Act and implemented by the Board of dental Examiners. In corresponding laboratory activities, the student will practice and demonstrate proficiency in the following at an accuracy of 75% or higher as a minimum demonstration of subject matter comprehension for over all course: 1. Perform those functions delegated to the Registered Dental Assistant using proper principles and instrumentation, and procedures. 2. Select, mix, and place dental materials for the appropriate chairside procedures by the Registered Dental Assistant.

DA069 C - Clinical Externship III

- Through a minimum of eight hours a week will be spent in clinical rotations in dental offices, the student will successfully assist the dentist in general practice. Students will rotate through dental specialty offices to gaining experience in dental specialties and expanded duties, principles and procedures to function in the specialty area of dentistry: Orthodontics, Periodontics, Endodontics, Pediatric dentistry, Prosthodontics, and Oral Surgery. In corresponding laboratory activities, the student will practice and demonstrate proficiency in the following: 1. Perform those functions delegated to the Dental Assistant and Registered Dental Assistant in general practice. 2. Perform those functions delegated to the Dental Assistant and Registered Dental Assistant in the specialty areas: Orthodontics, Periodontics, Endodontics, Pediatric dentistry, Prosthodontics, and Oral Surgery.

DA070 C - Dental Office Procedures

- Through lecture presentations in PowerPoint format, modular handouts and AV media, the student will successfully gain knowledge and trained to use the Dentrix Dental Software program to become knowledgeable in all areas of practice management utilizing the computer. Knowledge gained during lectures will be tested by written examination, computer and workbook assignments, with a minimum of 75% point value expected proficiency.
- Through lecture presentations in PowerPoint format, modular handouts and AV media, the student will successfully gain knowledge in the skills and responsibilities of a dental administrative assistant, patient files, charting and treatment planning, appointment scheduling, reports and insurance claim processing.

DA099 C - Dental Assisting Indep. Study

- Through lecture presentations in PowerPoint format, modular handouts and AV media, the student will successfully gain knowledge in the concepts written in an independent study contract to increase their knowledge and experience in requested applied areas.

Dental Hygiene Dept.**CSLO****DH100 C - Introduction to Dental Hygiene**

- The student will be able to understand the profession of dental hygiene, infection control procedures, identification of oral anatomy and landmarks, and extra/intraoral procedures.

DH101 C - Dental Anatomy & Morphology

- The student will be able to identify, discuss, define and explain the structures of the oral cavity, their function and anatomical position, anatomical features and function of each tooth in the dentition.

DH104 C - Oral Health Assessment

- The student will be able to accurately describe and record dental charting, oral conditions, complete risk assessments, vital signs, and periodontal status to formulate a comprehensive individualized treatment.

DH106 C - Radiology Tech-Hygienists

- The student will be able to accurately assess a patient for radiographic procedures, perform radiographic exposures utilizing radiation protection, and mount and interpret processed radiographs.
- The student will be able to identify the components of the dental x-ray unit and fundamentals of x-ray production, define the dental radiology State and Federal requirements, and identify dental anatomy on a radiograph.

DH109 C - Pre-Clinical Dental Hygiene

- The student will be able to explain and demonstrate proper polishing techniques, fluoride application, caries detection, effective instrumentation, instrument sharpening, infection control, treatment plan, ergonomics, and other aspects related to the dental hygiene process of care.

DH110 C - Clinical Dental Hygiene

- The student will be able to discuss, describe, identify, define and explain all the aspects of the Dental Hygiene Process of Care.
- The student will be able to perform all appropriate Dental Hygiene Process of Care duties tailored to the individual needs of the dental hygiene patient.

DH113 C - General and Oral Pathology

- The student will be able to identify and explain various pathological processes and manifestations of oral diseases, and present a reasonable differential diagnosis.

DH115 C - Nutrition for Dental Hygiene

- Inactive course-being deactivated

DH116 C - Dental Materials - Hygienists

- The student will be able to demonstrate the safe and appropriate manipulation of Dental Materials for the clinical care of the dental hygiene patient.
- The student will be able to discuss and identify commonly utilized Dental Materials and their safety in the practice of Dental Hygiene.

DH125 C - Perio Pathology and Therapy

- The student will be able to define and discuss Periodontal Disease classification and etiology and the role of the dental hygienist in periodontal prevention, detection, therapy, and referral.

DH205 C - Oral Embryology and Histology

- The student will be able to discuss the development of histological structures of the face and oral development stages of tooth formation.
- The student will be able to identify and describe embryological development of the face and oral tissues.

DH212 C - Head and Neck Anatomy

- The student will be able to identify and relate normal head and neck osteology to the normal function of the oral facial structures.

DH220 C - Clinical Dental Hygiene

- The student will be able to demonstrate preparedness to pass the Dental Hygiene National Board Examination.
- The student will be able to perform appropriate Dental Hygiene Process of Care tailored to the individual assessed needs of the Periodontally involved patient.

DH221 C - Clinical Dental Hygiene

- The student will be able to perform appropriate Dental Hygiene Process of Care tailored to the individual assessed needs of the Advancing Periodontally involved patient in order to pass their Dental Hygiene licensure clinical examination.
- The student will be able to research and present two capstone projects; Periodontal Case Presentation and a Table Clinic Research Project.

DH230 C - Dental Specialties

- The student will be able to identify and discuss the names of all the dental specialties, procedures that the specialist performs, and the need for specialist referral.

DH240 C - Community Oral Health I

- The student will be able to discuss, prepare and interpret statistical analyses, indices, lesson plans, and epidemiological factors related to community based dental health and public health dentistry.

DH241 C - Community Oral Health II

- The student will be able to develop and implement a capstone project based in dental health education for a Target Group within a community setting.

DH245 C - Dental Jurisprudence

- The student will be able to define and discuss Dental Auxiliary Laws as per the California Dental Practice Act, Code of Ethics, ADA Principles of Ethics and Code of Professional Conduct

- The student will be able to demonstrate preparedness to pass the Law and Ethics Exam given by the California Dental Board.

DH248 C - Medical/Dental Emergencies

- The student will be able to define and explain the management of medical and dental emergency situations and the role of the dental hygienist in managing potential emergencies.

DH250 C - Pharmacology

- The student will be able to identify and explain the fundamental principles of drugs, their classification, effects and contraindications as they relate to dentistry.

DH255 C - Dental Anesthesiology

- The student will be able to demonstrate clinical proficiency in pre-anesthetic evaluations, management of local anesthetic administration, and N2O2-O2 Inhalation Sedation for the dental hygiene patient.
- The student will be able to identify and describe the management of local and systemic dental complications, dental anxiety, and local dental anesthetic drugs.

DH260 C - Dental Care for Special Needs

- The student will be able to define and discuss the appropriate Dental Hygiene Process of Care to assist the Special Needs patient in order to obtain the highest level of oral health.

DH275 C - Clinical Dental Hygiene 1A

- The student will be able to demonstrate enhanced clinical judgment and skill and utilize theory and clinical concepts in the Dental Hygiene Process of Care.

DH276 C - Clinical Dental Hygiene 2A

- The student will be able to demonstrate the ability to effectively and accurately select and practice the Dental Hygiene Process of Care on clinical patients for their Dental Hygiene licensure.

DH299 C - Dental Hygiene Indep. Study

- Determine by contract with each individual student.

Diagnostic Medical Technology Dept.

CSLO

DMS060 C - Introduction to Sonography

- The student will be able to differentiate abdomen anatomy on sonographic images.
- The student will be able to scan basic abdomen structures with correct sonography machine parameters.

DMS170 C - Sonography Physics

- The student will be able to determine what is real anatomy and what is an artifact on a sonography image.
- The student will be able to understand describe how the sonography machine produces an image using sound waves.

DMS172 C - Sonography Externship

- The student will be able to scan and identify abdomen organs with assistance.
- The student will employ hospital policies and procedures, along with patient care skills, while observing, scanning, and transporting patients to and from the sonography department.

DMS175 C - Abdomen Sonography

- The student will be able to recognize and describe associated lab values, clinical history, alternate imaging modalities, and sonographic appearance of common pathologies associated with abdomen structures.
- The student will be able to recognize and describe the sonographic appearance of normal anatomy of the abdomen.

DMS176 C - Pathology and Small Parts

- The student will be able to evaluate and compare the sonographic appearance of normal anatomy of small part structures to include thyroid, testicles, and breast.
- The student will be able to recognize and describe associated lab values, clinical history, alternate imaging modalities, differential diagnosis, and sonographic appearance of pathologies associated with abdomen structures.

DMS186 C - Ob/Gyn Sonography

- The student will be able to recognize and describe associated lab values, clinical history, alternate imaging modalities, and sonographic appearance of common pathologies associated with fetal development.
- The student will be able to recognize and describe associated lab values, clinical history, alternate imaging modalities, and sonographic appearance of common pathologies associated with the female pelvis structures and early fetal anatomy.

DMS188 C - Doppler Techniques

- The student will demonstrate a complete understanding of a normal Doppler waveform for venous and carotid anatomy.
- The student will produce sonographic images with optimal image parameters with a 75% or higher accuracy.

DMS195 C - Carotid & Arterial Sonography

- The student will demonstrate a complete understanding of the normal and abnormal Doppler waveforms for peripheral arterial and carotid systems.
- The student will optimize image parameters to acquire diagnostic waveforms for peripheral arterial and carotid systems.

DMS207 C - Clinical Education I

- The student will perform abdomen sonographic exams on a variety of patients in the clinical environment, from beginning to end, including verbal instructions and paperwork procedures.

DMS210 C - Review Seminar

- Given the knowledge of ultrasound imaging procedures and protocols, the student will be able to perform and evaluate ultrasound procedures according to technical factors, protocol, sonographic appearance and differential diagnosis.
- Given the knowledge of ultrasound physics, abdomen scanning, obstetric and gynecology scanning, the student will successfully pass the American Registry of Diagnostic Medical Sonography.

DMS217 C - Clinical Education II

- The student will perform a testicular exam on a variety of patients in the clinical environment, from beginning to end, including verbal instructions and paperwork procedures.
- The student will perform a thyroid exam on a variety of patients in the clinical environment, from beginning to end, including verbal instructions and paperwork procedures.

DMS227 C - Clinical Training III

- The student will perform female pelvic and early fetal anatomy sonographic exams on a variety of patients in the clinical environment, from beginning to end, including verbal instructions and paperwork procedures.
- The student will perform full OB (12 weeks and over) sonographic exams on a variety of patients in the clinical environment, from beginning to end, including verbal instructions and paperwork procedures.

DMS237 C - Clinical Education IV

- The student will perform a carotid artery sonographic exam on a variety of patients in the clinical environment, from beginning to end, including verbal instructions and paperwork procedures.
- The student will perform a venous sonographic exam on a variety of patients in the clinical environment, from beginning to end, including verbal instructions and paperwork procedures.

Health Information Technology Dept.**CSLO****HI080 C - Selected Topics**

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

HI100 C - Trends in Health Care Delivery

- Describe the organization and settings of various health care delivery systems.
- Identify and describe the various education, training and licensure requirements for health care professionals that work in the health care delivery system.
- Identify and discuss private and public reimbursement methodologies to assure payment to the healthcare providers.
- Identify the various government and private agencies that oversee, license, or accredit health care organizations.

HI101 C - Health Information Management

- Assemble five medical records with at least 90% accuracy according to the Order for Assembly of Medical Records.
- Given actual medical records in a laboratory setting, maintain protected health information according to the guidelines of the Health Insurance Portability and Accountability Act.
- Perform quantitative analysis on ten medical records with at least 90% accuracy to identify deficiencies in documentation.
- Use computing technology to search the Code of Federal Regulations, the California Code of Regulations, and the Accreditation Manager Plus Software to locate applicable laws and standards related to health information.

HI102 C - Legal Aspects of Health Care

- Students will analyze three subpoenas for medical records and respond to the valid subpoena to release health information.

- Students will be complete a Security Training program.
- Students will disclose protected health information according to the guidelines of the Health Insurance Portability and Accountability Act and California law.

HI103 C - Healthcare Data Analysis

- Given a set of data, the student will determine the appropriate table, chart, and/or graph to graphically display information with at least 80% accuracy.
- Given a set of data, the student will use Excel to calculate commonly computed rates and percentages in health care with at least 80% accuracy.

HI105 C - Directed Practice I

- Demonstrate entry level competency and completion of required competencies as designated by CAHIM by completion in an assigned facility.
- Identify, analyze and discuss best practices observed and performed at directed practice sites.

HI110 C - Medical Insurance Billing

- The student will be able to electronically transmit insurance claim for reimbursement of physician services after manually completing required elements on a CMS-1500 claim form with at least 90% accuracy.

HI114 C - Beg ICD-10-CM & ICD 10-PCS Cdg

- Code and provide interpretation for procedural reports utilizing the classification systems ICD-10-CM and ICD-10-PCS.
- Use the "Official Coding Guidelines" to assign diagnosis and procedure codes for each chapter in the International Classification of Diseases with at least 75% accuracy.

HI115 C - Medical Staff Services Science

- Perform qualitative analysis on one medical staff application to determine eligibility for medical staff membership and clinical privileges with at least 90% accuracy.
- Prepare agendas, minutes and follow up memos from a medical staff committee or department meeting according to prescribed format with at least 80% accuracy.
- Understand the organization of hospitals and medical staff. Use computing technology to draw three organization charts: 1) hospital; 2) medical staff, and 3) medical staff services department

HI203 C - Medical Quality Management

- QI Tools - Charts: Following analysis of statistical data, the student will utilize Excel to prepare a run chart and Pareto chart to display select data variables at an accuracy level of 75%.
- QI Tools - Tables: Based upon information obtained from the Medicare website, the student will utilize Microsoft Office Word to prepare a table to display data concerning one quality measure for multiple facilities at an accuracy level of 75%.

HI204 C - Beginning Coding

- Use the 3M Coding References Software to research and locate current coding guidelines in the American Hospital Association's Coding Clinic.
- Use the Official Coding Guidelines to assign diagnosis and procedure codes for each chapter in the International Classification of Diseases with at least 75% accuracy.

HI205 C - Directed Practice II

- Identify, analyze and discuss best practices observed and performed at directed practice sites.

HI214 C - CPT/Ambulatory Care Coding

- Utilizing CPT coding book/encoder and reference materials, the student will complete 10 coding assessments with an average combined accuracy level of 75%.
- Utilizing encoder software, the student will apply ICD-9-CM diagnosis codes and CPT procedure codes for 15 operative reports at an accuracy level of 80%.

HI215 C - Medical Staff Services Science

- Prepare a capital budget for the Medical Staff Services Department.
- Prepare agendas according to prescribed format for the Medical Executive and Credential Committee with at least 75% accuracy.
- Prepare minutes and follow up memos according to prescribed format for the Medical Executive and Credentials Committee with at least 75% accuracy.
- Use the Internet and computing technology to search the Code of Federal Regulations, the California Code of Regulations, and the Accreditation Manager Plus Software to locate applicable laws and standards related to the responsibilities of an organized medical staff.

HI220 C - Advanced Coding

- Identify the conditions for which the major categories of medications are prescribed with at least 75% accuracy on objective tests.

- Use the 3M MS-DRGfinder Software to assign and sequence diagnoses and procedure codes with at least 80% accuracy on a final and midterm coding exam.
- Using Excel, calculate a hospital's case mix index and evaluate profitability with at least 80% accuracy

HI224 C - Adv ICD-10-CM & ICD-10-PCS Cdg

- Identify the conditions for which the major categories of medications are prescribed with at least 75% accuracy on objective tests.
- Use the 3M MS-DRG finder Software to assign and sequence diagnoses and procedure codes with at least 75% accuracy on a final and midterm coding exam.
- Using Excel, calculate a hospital's case mix index and evaluate profitability with at least 75% accuracy.

HI225 C - Information Technology

- Create a Visio flow chart, GANTT chart, and PERT Chart with 75% accuracy.
- Query an Access data base with at least 75% accuracy.

HI230 C - Directed Practice I

- Demonstrate entry level competency and completion of required competencies as designated by CAHIIM by completion in an assigned facility.
- Identify, analyze and discuss best practices observed and performed at directed practice sites.

HI240 C - Directed Practice II

- Complete the required directed practice competencies in the assigned healthcare facility.
- Identify, analyze and discuss best practices observed and performed at directed practice sites.

HI245 C - Coding Skills Lab

- Use the 3M Coding and Reimbursement System to correctly assign ICD-10-CM Diagnosis, ICD-10-PCS Procedure codes and CPT codes.
- Use the 3M Coding References Software to research and locate current coding guidelines in the American Hospital Association's Coding Clinic Quizzes.
- Use the "Official ICD 10-CM and ICD-10-PCS Coding Guidelines" to correctly assign diagnosis and procedure codes for each chapters in the International Classification of Diseases, 10th Revision, Clinical Modification.

HI299 C - HI Tech Independent Study

- As identified on the Independent Study Learning Contract

Health Science Dept.

CSLO

HS030 C - Calculations for Medications

- The student will be able to use correct addition, subtraction, multiplication, division, rounding and reduction of numbers to demonstrate correct/safe calculation of non-parenteral and parenteral/intravenous dosages of medications.

HS050 C - Preparation for Health Science

- Students will be able to identify at least 75% of the duties and responsibilities of each of the following professions: Dental Assistants, Dental Hygienists, Mortuary Science professionals, Radiologic Technicians, Ultrasound professionals, Registered Nurses, health Information Technologists, and Psychiatric Technicians.

HS066 C - Selected Topics for NURS 297 C

- Complete 8 hours of mock NCLEX simulations in preparation for actual testing.
- Use resource materials and computer simulations to self-evaluate nursing knowledge for NCLEX preparation.

HS070 C - Health Care Communication

- Student will set goals for improvement in communication and identify 3 skills that need improvement.

HS076 C - CPR for Health Care Providers

- Students will be able to demonstrate correct performance of CPR according to American Heart Association standards.

HS077 C - CPR Recertification

- Students will be able to demonstrate correct performance of CPR according to American Heart Association standards.

HS080 C - Selected Topics in Nursing and Allied Health

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

HS098 C - Health Science Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

HS098AC - Calculations for Meds

- Upon completion of this course students will be able to use correct addition, subtraction, multiplication, division, rounding and reduction of numbers to correctly calculate non-parenteral, parenteral/intravenous dosages of medications.

HS098BC - Mortuary Science I

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

HS098CC - Mortuary Science II

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

HS098HC - Health IT Systems I

- Given installation instructions and software, the student will install the VISTA EHR system on a computer.

HS098IC - Health IT Workforce Capstone

- Apply project management and change management principles to create implementation project plans to achieve the project goal of meaningful use of health information technology in the practice setting.
- Design, develop and deliver a lesson plan structuring active learning experiences for users and creating use cases that effectively train employees through an approach that closely mirrors actual use of the health information technology in the patient care setting.

HS098JC - Health IT Soft Skills

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

HS098KC - Health IT Systems II

- In a simulation electronic health record environment, the student will view and create health summary reports, clinical reminder reports, alerts/notifications, order checks, and reminders with at least 80% accuracy.

HS098LC - Training & Instruction Design

- Design, develop and deliver a lesson plan structuring active learning experiences for users and creating use cases that effectively train employees through an approach that closely mirrors actual use of the health information technology in the patient care setting.

HS099 C - Health Science Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

HS145 C - Survey of Medical Terminology

- The student will learn the meanings of basic combining forms, suffixes, and prefixes of the medical language.

HS147 C - Survey of Disease

- The student will write a research paper that will describe a disease process to include the definition, pathogenesis or etiology, clinical manifestation(s), laboratory diagnosis, latest treatment(s) and/or prevention and prognosis.

HS161 C - Dying/Death and Grief/Mourning

- Students will be able to identify symptoms of grief; both physical and physiological through a research paper emphasizing positive coping techniques that are utilized in different family and cultural structures.
- Students will be able to understand the value of memorialization, funeral services and the role of the funeral director in the community.

HS165 C - Ethical and Legal Issues

- Upon completion of the course, the student will analyze ethical issues related to non-profit organizations in health care.
- Upon completion of this course the student will apply the Health Insurance Portability and Accountability Act regulations to hospital situations in regards to patient's rights.

HS168 C - Patient Care Skills - Open Lab

- The student will successfully perform basic patient centered care skills as applicable to the individual plan for success in the related primary Health Science course.

HS268 C - Patient Care Skills - Open Lab

- The student will successfully perform advanced patient centered care skills as applicable to the individual plan for success in the related primary Health Science course.

HS277 C - Cultural Awareness & Health Care

- Analyze, compare and contrast healthcare delivery issues and outcomes affecting various populations and/or cultures.

- Complete a daily healthcare log of dietary practices, physical activity and other health activities to identify and self-reflect on personal health issues to gain an understanding of self to compare to others.
- Identify, research and present a healthcare trend affecting a specific population through an oral class presentation.

HS361 C - Dying/Death and Grief/Mourning

- Students will evaluate types of grief reactions resulting from loss, including extraordinary grief situations and unique grief circumstances.

Mortuary Science Dept.

CSLO

MORT085 C - Work Experience

- Student learning outcomes will be tailored to correspond to the student's internship assignment.

MORT100 C - Orientation to Funeral Service

- Students completing this course will be able to differentiate between notification of death, transfer of remains and first call
- Students completing this course will be able to differentiate between the basic aspects of funeral service arrangements before a death has occurred(pre-need), after a death has occurred (at-need) or while a death is impending
- Students completing this course will be able to identify and label component parts of caskets, outer burial containers and markers
- Students completing this course will be able to take a first, transfer remains to a funeral home and complete the required documentation.

MORT153 C - Funeral Service Pathology I

- Students will demonstrate overall knowledge of a pandemic/epidemic disease by completing a research report graded on grammar, supported research information and content describing the selected disease at a 75% level of effectiveness based on current research

MORT163 C - Embalming Anatomy/Pathology I

- Differentiate the basic anatomical and pathological terms associated with the medical and legal aspects of funeral services that interact with the health services professional and the families which we serve.

MORT164 C - Funeral Service Thanatology I

- demonstrate the ability to compare various types or areas of psychology and examine emotions and their influence on behavior.
- demonstrate the ability to recognize the typical responses experienced during the emotion grief.

MORT165 C - Funeral Service Management I

- Given a series of funeral service transactions, students will be able to correctly record general journal entries as part of an exam, with at least 75% accuracy.
- Given account titles and balances, students will be able to correctly compute financial statement components as part the final exam with at least 75% accuracy
- On the final exam, given a set of comparative financial statements for a merchandising business, students will be able to: (A) analyze financial statements by correctly computing ratios for liquidity, profitability, and solvency. (B) draw and support a conclusion regarding the financial condition of the business, with at least 75% accuracy.

MORT170 C - Funeral Service Ceremonies

- Students completing this course will be able to transfer remains from a funeral home to place of disposition and complete the required documentation.
- Students completing this course will provide documentation (via service folder, obituary, prayer card, or other artifacts), indicate his/her level of participation in the activity and designate the participants involved (clergy, celebrant, FD, family, or others) of observation of five funeral related services (Liturgical, Non-liturgical, Secular, Chapel, Graveside, Military, Fraternal, Memorial (without the deceased), Direct Cremation, or Other).
- Upon the completion of Funeral Service Ceremonies, the student should be able to coordinate funeral services with a fraternal group.
- Upon the completion of Funeral Service Ceremonies, the student should be able to coordinate funeral services with a military veterans group.
- Upon the completion of Funeral Service Ceremonies, the student should be able to differentiate the basic aspects of funeral services for the Roman Catholic, Liturgical Protestant and Non-Liturgical Protestant religious practices.

MORT182 C - Embalming Theory and Practice

- Through lectures presented in PowerPoint format, modular handouts and AV media, as well as assigned reading from the course-required textbook, the student will gain understanding of the basic moral and legal considerations involving embalming authorization, OSHA, EPA and other regulatory agencies governing handling and preparation of the dead. Knowledge gained during lectures regarding moral and legal considerations will be tested by written examination, with a minimum 75% point value expected proficiency as passing.

MORT201 C - Funeral Directing

- Students completing this course will be able to coordinate contemporary funeral services.
- Students completing this course will be able to transfer human remains.

MORT202 C - Funeral Service Admin I

- Students will be able to create a comprehensive business plan for a funeral service enterprise.
- Students will be able to design a funeral service merchandising plan.

MORT203 C - Methods of Disposition

- Student will expand their knowledge of modern and emerging methods of disposition.

MORT204 C - Funeral Svs Admin II

- Student will determine the financial health of a funeral service enterprise.

MORT214 C - Funeral Service Sciences

- Differentiate the basic anatomical and pathological terminology and concepts for use in a professional funeral service setting.
- Students will understand various pathological conditions and how they impact the preparation of human remains.
- Students will demonstrate overall knowledge of embalming chemistry including the current chemicals that are used in the funeral establishment for the preservation and disinfectant of dead human remains, and those non-embalming chemicals which are necessary in the preparation of the dead human remains that may pose a danger to the community.

MORT215 C - Embalming

- The student will understand the basic ethical, moral and legal considerations involving embalming authorization, and regulatory standards governing handling and preparation of human remains.
- The student will understand the concepts involving the basic principles, purposes and functions of embalming that are enhanced by laboratory activities.
- The student will properly embalm human remains while applying specific treatments for selected conditions.

MORT216 C - Restorative Art

- The student will restore facial features to a normal appearance.
- The student will apply cosmetics and style hair appropriately to restore the deceased to an acceptable appearance.

MORT234 C - Funeral Svs Ethics/Laws I

- Students will define, analyze and use legal vocabulary; analyze and apply statutory laws and judicial opinions; understand torts, crimes and contract law as they relate to funeral service; and define the roles of legislatures, courts, and administrative agencies.
- Students will analyze and understand the relevant facts, issues, laws, and legal reasoning.

MORT236 C - Funeral Svs Ethics/Laws II

- Students will exhibit ethical, moral and legal behavior involving all aspects of disposition of human remains.

MORT242 C - Embalming Application

- Through lectures presented in PowerPoint format and modular handouts, as well as assigned reading from the course-required textbook, the student will gain understanding of the concepts involving the basic principles, purposes and functions of embalming, including sanitization, disinfection, and preservation. In corresponding laboratory activities, the student will practice and demonstrate proficiency in the following: 1. Preparation of human remains for arterial injection by elevation and ligation of the major vessels customarily used; 2. Proper sanitization and disinfection techniques performed on human remains; 3. Thorough disinfection of laboratory environment, equipment and instruments used. Performance of laboratory activities is expected to reach a minimum of a 75% point value, based on a 350 point possibility (250 points possible from performance-based lab work and 100 points possible from a written lab exam). Knowledge gained during lectures will be tested by written examination, with a minimum 75% point value expected proficiency as passing.
- Through lectures presented in PowerPoint format, modular handouts and AV media, as well as assigned reading from the course-required textbook, the student will gain understanding of the basic moral and legal considerations involving embalming authorization, OSHA, EPA and other regulatory agencies governing handling and preparation of the dead. Knowledge gained during lectures regarding moral and legal considerations will be tested by written examination, with a minimum 75% point value expected proficiency as passing.

MORT248 C - Funeral Service Thanatology

- Students will recognize and understand the counseling principles and procedures available to the funeral director for grief counseling.
- Students will differentiate between the basic aspects of funeral service arrangements before a death has occurred (pre-need), after a death has occurred (at-need) or while a death is impending, and understand how grief, bereavement, and mourning impact the arrangements conference.

MORT253 C - Funeral Service Pathology II

- Students will become familiar with epidemic disease conditions that are commonly found in society and how it directly affects the embalming process
- Students will differentiate the basic pathological terms associated with the medical and legal aspects of funeral services that interact with

the health services professional and the families which we serve at 75% effectiveness

MORT261 C - Restorative Art I

- the student will demonstrate a skill in modeling which enables them to restore facial features to a normal appearance.

MORT262 C - Embalming I

• Through lectures presented in PowerPoint format and modular handouts, as well as assigned reading from the course-required textbook, the student will gain understanding of the concepts involving the basic principles, purposes and functions of embalming, including sanitization, disinfection, and preservation. In corresponding laboratory activities, the student will practice and demonstrate proficiency in the following: 1. Preparation of human remains for arterial injection by elevation and ligation of the major vessels customarily used; 2. Proper sanitization and disinfection techniques performed on human remains; 3. Thorough disinfection of laboratory environment, equipment and instruments used. Performance of laboratory activities is expected to reach a minimum of a 75% point value, based on a 350 point possibility (250 points possible from performance-based lab work and 100 points possible from a written lab exam). Knowledge gained during lectures will be tested by written examination, with a minimum 75% point value expected proficiency as passing.

• Through lectures presented in PowerPoint format, modular handouts and AV media, as well as assigned reading from the course-required textbook, the student will gain understanding of the basic moral and legal considerations involving embalming authorization, OSHA, EPA and other regulatory agencies governing handling and preparation of the dead. Knowledge gained during lectures regarding moral and legal considerations will be tested by written examination, with a minimum 75% point value expected proficiency as passing.

MORT263 C - Embalming Anatomy/Pathology II

- differentiate the basic anatomical and pathological terms associated with the medical and legal aspects of funeral services that interact with the health services professional and the families which we serve.

MORT264 C - Funeral Service Psychology

- identify high risk widows and families as to their grief reactions and special follow up techniques associated with post-need aftercare
- identify normal and abnormal grief reactions to death
- identify those families who have experienced a special type of loss, their extraordinary grief situation and their unique grief circumstance in each their grief needs to be expressed

MORT265 C - Funeral Service Management II

- Based on their class activities and independent research, each student will gain an understanding of the principles that apply to managing people in an organization, dividing tasks and accomplishing objectives, with at least 75% accuracy.
- Each student will learn how to organize resources - people, finances, facilities and equipment - so that they can be utilized in the most productive manner, with at least 75% accuracy.
- Each student will learn the various ways to structure organizations, build teams, and create environments that encourage leadership, creativity and initiative, with at least 75% accuracy.

MORT271 C - Restorative Art II

- The student will exhibit a skill in modeling which enables them to restore facial features to a normal appearance.

MORT272 C - Embalming II

• Through lectures presented in PowerPoint format and modular handouts, as well as assigned reading from the course-required textbook, the student will gain understanding of embalming treatments for infections, communicable diseases, pathological, and traumatic conditions, and, in corresponding laboratory activities, the student will practice and demonstrate appropriate & ethical demeanor towards the dead human body as well as follow funeral industry professionals. Performance of laboratory activities as it pertains to appropriate and ethical behavior is incorporated within the observation and grading criteria outlined in SLO 1. Knowledge gained during lectures regarding embalming treatments will be tested by written examination, with a minimum 75% point value expected proficiency as passing.

• Through lectures presented in PowerPoint format, modular handouts and AV media, as well as assigned reading from the course-required textbook, the student will gain understanding of the concepts involving the basic principles, purposes and functions of embalming, including awareness of the implications of the types of death to embalming; having the ability to define and employ the necessary terminology to facilitate communication with members of allied professions and the public; and, in corresponding laboratory activities, the student will practice and demonstrate proficiency in the following: 1) Demonstrate and explain adequate methods of personal and environmental protective measures; 2) Demonstrate the proper disposal of contaminated materials from the embalming process, as well as blood and body fluids; 3) Demonstrate the proper use of embalming instruments, equipment and sundries, as well as demonstrating proper embalming techniques and procedures practiced in lab; 4) Document the conditions of a pre-embalmed decedent, embalming techniques & procedures, and conditions of a post-embalmed decedent with detailed written reports. Performance of laboratory activities is expected to reach a minimum of a 75% point value, based on a 300 point possibility (200 points possible from performance-based lab work and 100 points possible from a written lab exam). Knowledge gained during lectures will be tested by written examination, with a minimum 75% point value expected proficiency as passing.

MORT274 C - Funeral Service Thanatology II

- Identify high risk widows and families as to their grief reactions and special follow up techniques associated with post-need aftercare
- Identify normal and abnormal grief reactions to death
- Identify those families who have experienced a special type of loss, their extraordinary grief situation and their unique grief circumstance in each their grief needs to be expressed

MORT275 C - Mortuary Law I

- By preparing a written case brief on a published state or federal, Appellate or Supreme Court judicial opinion, demonstrate the ability to read, analyze and understand the relevant facts, issues, law, and legal reasoning applied by the court in resolving the dispute.
- On the basis of a written hypothetical legal dispute, identify the relevant facts, legal issues, and applicable law, and write an accurate analysis of the same.
- Within the context of an in-class multiple choice examination, students will be able to: (1) define, analyze and apply a usable legal vocabulary (legalese) in the discussion of a variety of legal issues; (2) identify, compare and contrast the roles of the legislatures, courts, and administrative agencies in the legal environment and identify; (3) identify, analyze and apply the laws from various sources, including statutory law and judicial opinions; (4) demonstrate their understanding of torts, crimes and contract law as they relate to the legal environment of business; (5) describe the progression of a civil lawsuit and solve legal problems in a logical and analytical manner; and, (6) identify, compare and contrast different forms of business organizations, including agencies, sole proprietorships, partnerships, corporations, and limited liability companies.

MORT281 C - Funeral Service Practicum

- The student will demonstrate appropriate and ethical demeanor towards human remains as well as fellow funeral industry professionals.

MORT285 C - Mortuary Law II

- Within the context of an in-class multiple choice examination, students will be able with a 75% or greater accuracy: 1. to define, analyze and apply a usable legal vocabulary (legalese) in the discussion of a variety of legal issues; 2. to identify, compare and contrast the roles of the legislatures, courts, and administrative agencies in the legal environment and identify; 3. to identify, analyze and apply the laws from various sources, including statutory law and judicial opinions; 4. to demonstrate their understanding of torts, crimes and contract law as they relate to the legal environment of business; and 5. to describe the progression of a civil lawsuit and solve legal problems in a logical and analytical manner

MORT288 C - Funeral Service Capstone

- Students will be prepared to take National Board-style Examinations.
- Students will fulfill all clinical requirements prescribed by the American Board of Funeral Service Education accreditation standards for program graduates.
- Students will utilize funeral service software to create relevant documents used in the disposition of human remains.

MORT292 C - Funeral Service Science

- Students will demonstrate overall knowledge of embalming chemistry including the current chemicals that are used in the funeral establishment for the preservation and disinfectant of dead human remains, and those non-embalming chemicals which are necessary in the preparation of the dead human remains that may pose a danger to the community.

MORT294 C - Funeral Service Counseling

- Students completing this course will be able to make complete funeral arrangements for the appropriate disposition of human remains and complete the required documentation.
- Students completing this course will provide documentation (via service folder, obituary, prayer card, or other artifacts), indicate his/her level of participation in the activity and designate the participants involved (clergy, celebrant, FD, family, or others) of observation of five funeral related services (Liturgical, Non-liturgical, Secular, Chapel, Graveside, Military, Fraternal, Memorial (without the deceased), Direct Cremation, or Other).
- Students will demonstrate the ability to recognize and understand the counseling principles and procedures available to the funeral director for grief counseling with a proficiency level of 75%;

MORT297 C - Mortuary Computer Applications

- Using a personal computer with Internet access, answer a 125-question multiple choice Practice National Board Examination with a minimum score of 75%.
- Using a word processing software application such as Microsoft Word or Corel WordPerfect, create a one-page entry-level resume using a template with a minimum of three work/volunteer experiences and two educational institutions in addition to employment objective and one other category (for example, additional skills).
- While working in The Directors Assistant for Windows software application, create a death certificate, burial permit, obituary notice, funeral service contract, embalming case report, Veterans Administration and Social Security Administration forms, with sufficient accuracy to ensure acceptance by government agencies, local newspaper, and legal requirements.

MORT402 C - Funeral Svs Stands of Practice

- Students will create a strategic plan for the development of a funeral service enterprise that incorporates previous funeral service, mortuary science or related training and education, past and present work settings as well as life experiences.

MORT430 C - Cemetery and Crematory Operati

- The student will practice and demonstrate proficiency in the following: 1) Demonstrate and explain adequate methods of disposition and memorialization of remains; 2) Demonstrate the proper disposal of noncombustible materials from the cremation process; 3) Demonstrate the proper use of cremation equipment, materials and sundries, as well as demonstrating proper positioning techniques and procedures for optimal incineration; 4) Document the conditions of decedent, embalming techniques & procedures, and conditions with detailed written reports.

MORT450 C - Issues-Trends in Funeral Svs

- Describe the organization and settings of various funeral service operations.

- Identify and describe the various education, training and licensure requirements for professionals that work in funeral service.
- Identify the various government and private agencies that oversee, license, or accredit funeral service institutions.

MORT482 C - Clinical Embalming

- the student will practice and demonstrate proficiency in the following: 1) Demonstrate and explain adequate methods of personal and environmental protective measures; 2) Demonstrate the proper disposal of contaminated materials from the embalming process, as well as blood and body fluids; 3) Demonstrate the proper use of embalming instruments, equipment and sundries, as well as demonstrating proper embalming techniques and procedures practiced in lab; 4) Document the conditions of a pre-embalmed decedent, embalming techniques & procedures, and conditions of a post-embalmed decedent with detailed written reports.

MORT492 C - Funeral Service Externship

- The student will practice and demonstrate proficiency in the following: 1) Demonstrate and explain adequate methods of disposing of human remains; 2) Demonstrate the proper funeralization process for cremation, interment, donation to science, and forwarding/receiving of remains; 3) Demonstrate the proper use of funeral service equipment and sundries, as well as demonstrating proper counseling techniques and procedures; 4) Document the arrangements conference with detailed written reports.

MORT495 C - Mortuary Jurisprudence

- Students will be able with a 75% or greater accuracy: 1. to define, analyze and apply a usable legal vocabulary (legalese) in the discussion of a variety of legal issues; 2. to identify, compare and contrast the roles of the legislatures, courts, and administrative agencies in the legal environment and identify; 3. to identify, analyze and apply the laws from various sources, including statutory law and judicial opinions; 4. to demonstrate their understanding of torts, crimes and contract law as they relate to the legal environment of business; and 5. to describe the progression of a civil lawsuit and solve legal problems in a logical and analytical manner.

MORT497 C - Funeral Service Practicum I

- The student will practice and demonstrate appropriate & ethical demeanor towards the dead human body as well as follow funeral industry professionals.

MORT498 C - Funeral Service Practicum II

- The student will practice and demonstrate appropriate & ethical demeanor towards the dead human body as well as follow funeral industry professionals.

Nursing RN Dept.

CSLO

NURS090 C - Nursing Transitions

- The student will apply the nursing process and develop nursing judgment to prioritize care for the medical-surgical patient and older adult focusing on patient centered care, safety, oxygenation, regulation and movement using teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics to provide effective care to achieve positive patient outcomes.
- The student will apply theoretical concepts and nursing principles to complete all clinical practicum objectives and competencies while providing safe, compassionate care to patients

NURS091 C - Strategies-Success in Nursing

- The student will develop a personal plan for success strategies that will be used as a nursing student, and in professional patient centered health care.

NURS099 C - Nursing Independent Study

- The student will develop a faculty approved individualized learning contract.
- Upon completion of Independent Study, the student will successfully complete all objectives in their learning contract

NURS103 C - Basic Health Assessment

- The student will gain improved understanding of specialized nursing knowledge in assessing the basic health status of the non-pregnant adult focusing on the exemplars of oxygenation, regulation, and movement.

NURS104 C - Intro to ECG Interpretation

- Upon completion of this elective course, the student will recognize common cardiac dysrhythmias and will discuss patient centered care with 75% accuracy.

NURS107 C - Pain Management for Nurses

- The student will demonstrate knowledge of patient centered care pain management through application to simulated patient care situations.

NURS108 C - Orthopaedic Patient Care

- The student will identify the theoretical components of safe, evidence based patient centered care and early recognition/interventions for complications in patients with movement/orthopaedic conditions.

NURS190 C - Introduction to Nursing Concepts

- The student will identify the fundamental theoretical components of nursing and patient centered care.

NURS191 C - Pharmacology in Nursing I

- Demonstrate the ability to calculate medication dosages and conversions between pharmacological measurement systems.
- Demonstrate understanding of basic pharmacological principles including pharmacokinetics, pharmacodynamics, and the concepts of patient centered care, teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics to safely administer both enteral and topical medications to patients in medical-surgical settings with oxygenation, regulation and movement disorders.

NURS192 C - Fundamentals of Nursing

- The student will apply the nursing process and develop nursing judgment to prioritize basic care for the medical-surgical patient focusing on patient-centered care, safety, movement, oxygenation and regulation using teamwork and collaboration, professionalism, evidence-based practice, quality improvement and informatics to provide effective care and achieve positive patient outcomes.
- The student will apply theoretical concepts and nursing principles to complete all clinical practicum objectives and competencies while providing safe physical and emotional care to patients.

NURS193 C - Intro to Med-Surg/Gero Nursing

- The student will apply the nursing process and develop basic nursing judgment to prioritize care for the medical-surgical patient focusing on patient-centered care, safety, oxygenation, regulation and movement, using teamwork and collaboration, professionalism, evidence-based practice, quality improvement and informatics to provide effective care and achieve positive patient outcomes.
- The student will apply theoretical concepts and nursing principles to complete clinical practicum objectives and all competencies while providing safe physical and emotional care to patients.

NURS195 C - Pharmacology in Nursing II

- Upon completion of this course: SLO 1: The student will apply the nursing process and develop nursing judgment to safely administer or withhold medications for patients with movement, oxygenation or regulation disorders in multiple clinical settings focusing on patient centered care, teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics.

NURS196 C - Med-Surg Nursing I

- The student will apply the nursing process and develop nursing judgment to prioritize care for the medical-surgical patient in multiple clinical settings focusing on patient centered care, safety, oxygenation, regulation and movement using teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics to provide effective care to achieve positive patient outcomes.
- The student will apply theoretical concepts and nursing principles to complete all clinical practicum objectives and competencies while providing safe care to patients.

NURS197 C - Maternal/Newborn Nursing

- The student will apply the nursing process and develop nursing judgment to prioritize care for the perinatal patient focusing on patient-centered care, safety, movement, oxygenation and regulation using teamwork and collaboration, professionalism, evidence-based practice, quality improvement and informatics to provide effective care and achieve positive patient outcomes.
- The student will apply theoretical concepts and nursing principles to complete clinical practicum objectives and competencies while providing safe physical and emotional care to patients.

NURS209 C - Advanced RN Practicum and Career Development

- The student will complete personal learning objectives for the course, which relate to safe care of patients in a specialized area of patient centered health care.
- Upon completion of the course, the student will have successfully completed his/ her individualized learning objectives and required clinical hours.

NURS291 C - Pharmacology in Nursing III

- The student will apply the nursing process and develop nursing judgment to safely administer or withhold medications for acute patients with oxygenation, regulation, and movement disorders in multiple clinical settings focusing on patient centered care, teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics.

NURS292 C - Medical-Surgical Nursing II

- The student will apply the nursing process and develop nursing judgment to prioritize care for the acute medical-surgical patient in multiple clinical and community settings focusing on patient centered care, safety, oxygenation, regulation and movement while using teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics to provide effective patient centered care to achieve positive patient outcomes.
- The student will apply theoretical concepts and nursing principles to complete clinical practicum objectives and competencies while providing safe care to patients.

NURS293 C - Mental Health Nursing

- The student will apply the nursing process and develop nursing judgment to prioritize care for the patient with mental health issues in multiple clinical settings focusing on patient centered care and safety, using teamwork and collaboration, professionalism, evidence based practice, and quality improvement to provide effective care to achieve positive patient outcomes.
- The student will apply theoretical concepts and nursing principles to complete all clinical practicum objectives and competencies while providing safe physical and emotional care to patients.

NURS294 C - Geriatric Nursing

- The student will apply the nursing process and develop nursing judgment to prioritize care for the older adult in multiple community settings focusing on patient centered care, safety, mobility, oxygenation and regulation using teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics to provide effective care to achieve positive patient outcomes.
- The student will apply theoretical concepts and nursing principles to complete all clinical practicum objectives and competencies while providing safe care to patients.

NURS295 C - Pharmacology in Nursing IV

- Demonstrate the ability to accurately calculate medications for both the pediatric patient and critically ill adult patients.
- Demonstrate the ability to discuss patient centered care related to therapeutic and adverse affects of drugs administered to the pediatric and critically ill patient experiencing disorders of oxygenation, regulation and movement.

NURS296 C - Child/Family Nursing

- The student will apply the nursing process and develop nursing judgment to prioritize care for children and their families in acute care and community settings focusing on patient centered care, safety, oxygenation, regulation and movement using teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics to provide effective care to achieve positive patient outcomes.
- The student will apply theoretical concepts and nursing principles to complete all clinical practicum objectives and competencies while providing safe care to the pediatric patient and family.

NURS297 C - Med-Surg Nursing III

- The student will apply the nursing process and develop nursing judgment to prioritize care for the acute unstable medical-surgical patient in multiple clinical and community settings focusing on patient centered care, safety, oxygenation, regulation and movement while using teamwork and collaboration, professionalism, evidence based practice, quality improvement and informatics to provide effective care to achieve positive patient outcomes.
- The student will apply theoretical concepts and nursing principles to complete clinical practicum objectives and competencies while providing safe care to patients.

Psychiatric Technology Dept.**CSLO****NURS080 C - Selected Topics/Psychiatric Technology**

- The students will indicate the fundamentals of nursing science as pertains to the psychiatric technician program with 75% accuracy. 2. The students will recognize the basics of developmental disabilities as pertains to the psychiatric technician program with 75% accuracy. 3. The students will identify the essentials of mental disorders as pertains to the psychiatric technician program with 75% accuracy.
- There were 30 students in the class at the beginning of the course. After the first exam that covered material on nursing science, five students scored less than 75% and did not meet SLO 1. After the second exam which included developmental disabilities, five students scored less than 75% and did not meet SLO 1. After the third exam, which covers mental disorders, five students scored less than 75% and did not meet SLO 1.

PT080 C - Sel Topics/Psychiatric Technol

- The students will indicate the fundamentals of nursing science as pertains to the psychiatric technician program with 75% accuracy. 2. The students will recognize the basics of developmental disabilities as pertains to the psychiatric technician program with 75% accuracy. 3. The students will identify the essentials of mental disorders as pertains to the psychiatric technician program with 75% accuracy.
- There were 30 students in the class at the beginning of the course. After the first exam that covered material on nursing science, five students scored less than 75% and did not meet SLO 1. After the second exam which included developmental disabilities, five students scored less than 75% and did not meet SLO 1. After the third exam, which covers mental disorders, five students scored less than 75% and did not meet SLO 1.

PT085 C - Psychiatric Technician-Work Experience

- Student learning outcomes will be tailored to correspond to the student's internship assignment.

PT090 C - Leadership Supervision & Ethics

- Upon completion of the course, students will be able to evaluate ethical scenarios and situations with an 80% understanding.
- Upon completion of the course, the students will understand differing leadership roles within the field of Psychiatric Technology with a 80% accuracy.

PT110 C - Nursing Science I

- The students will understand the fundamentals of nursing science with 75% accuracy.
- Using the nursing process, the student will be able to write a plan of care that will identify and address at least two patient needs with 75% accuracy.
- Using the standard operating procedures of the facility, the students will be able to successfully perform basic patient care without harm to the patient or the healthcare team with appropriate professional behavior (i.e. attendance, punctuality, ethics, integrity, proper attire, and respect for patient) at all times.

PT115 C - Nursing Science II

- Upon completion of the course, the students will understand the fundamentals of medical surgical nursing science with 75% accuracy.
- Using the nursing process, the student will be able to write a nursing care plan of care that will identify and address at least two patient needs with 75% accuracy.
- Using the standard operating procedures of the facility, the students will be able to successfully perform basic patient care without harm to the patient or the healthcare team with appropriate professional behavior (i.e. attendance, punctuality, ethics, integrity, proper attire, and respect for patient) at all times.

PT120 C - Developmental Disabilities I

- Upon completion of the course, the students will understand the fundamentals of developmental disabilities with 75% accuracy.
- Using the nursing process, the student will be able to write a teaching plan that will identify and address at least one adaptive/ knowledge deficit with 75% accuracy.
- Using the standard operating procedures of the clinical facility, the students will be able to successfully implement a teaching plan with individuals with developmental disabilities to include interventions related to adaptive activities that are pertinent to the individual's quality of life. The students will demonstrate appropriate professional behavior (i.e., attendance, punctuality, ethical behavior, proper attire, and respect for others) at all times as outlined in the psychiatric technology Program policies.

PT125 C - Developmental Disabilities II

- Upon completion of the course, the students will understand the principles of behavior modification applied on individuals with developmental disabilities with 75% accuracy.
- Using the nursing process, the student will be able to write a behavioral assessment and a behavioral plan that will identify and address one adaptive skill deficit and one maladaptive behavior with 75% accuracy.
- Using the standard operating procedures of the facility, the students will be able to successfully manage maladaptive behaviors using accepted behavior modification techniques on individuals with developmental disabilities. The students will show appropriate professional behavior (i.e. attendance, punctuality, ethics, integrity, proper attire, and respect for patient) at all times.

PT130 C - Mental Disabilities I

- Upon completion of the course, the students will understand the assessment principles of identifying specific mental disabilities, be able to access accurately those mental disabilities, and understand and discuss professionally how to effectively work with individuals with mental disabilities with 75% accuracy.
- Using the nursing process, the student will be able to write a complete mental status assessment, evaluating an individual's mental disability, and write a nursing care plan that will address at least two maladaptive interactional styles to create goals, implement interventions and provide scientific rationales for assisting in the individual's therapeutic plan of action with 75% accuracy.
- Using the standard operating procedures of the facility the student will be able to successfully manage individuals with mental disabilities using accepted standard therapeutic techniques and communication skills, and be able to successfully run a therapeutic group. The students will perform in an ethical and professional manner, showing appropriate professional knowledge and behavior (i.e. attendance, punctuality, ethics, integrity, proper attire, and respect for the individual) at all times.

PT135 C - Mental Disabilities II

- The student will show appropriate professional behavior (i.e. attendance, punctuality, ethics, integrity, proper attire and respect for the individual) and follow standard facility operating procedures at all times in the clinical setting.
- Upon completion of the course, the students will understand the theoretical concepts of psychiatric nursing principles in community care psychiatric nursing with 75% accuracy

Radiologic Technology Dept.**CSLO****RADT142 C - Radiologic Electronics**

- Given instruction of the x-ray imaging system, the student will be able to identify each component along with the purpose of that component.
- The student will understand the x-ray imaging system along with the x-ray tube components.

RADT146 C - Introduction to Radiography

- The student will recognize the significance of milliamperage seconds, kilovoltage, and source to image distance in the formation of a radiographic image.
- The student will understand the importance of radiation protection during radiographic imaging and the methods used to achieve doses that are as low as reasonably achieved

RADT148 C - Radiology Imaging Techniques

- The student will determine the effects of kilovoltage, milliamperage, time, and distance on a radiographic image
- The student will investigate the factors that control scattered radiation on the radiographic image.

RADT150 C - Radiographic Positioning I

- Through role playing, the student will properly perform a radiographic imaging procedure of a lower extremity body part to include communication, radiation protection, critical thinking skills, and patient care skills.
- Through role playing, the student will properly perform a radiographic imaging procedure of an upper extremity body part to include communication, radiation protection, critical thinking skills, and patient care skills.

RADT153 C - Radiography Patient Care

- The student will demonstrate proper administration of vital signs on a human.
- The student will demonstrate proper body mechanics when assisting a patient from a wheelchair to the imaging table.
- The students will demonstrate the skills necessary for CPR and the Heimlich maneuver.

RADT162 C - Radiology Special Procedures

- The student will define the various categories of contrast agents and provide examples of each, explain the pharmacology of barium and iodine compounds, and describe the methods and technique of contrast administration.
- The student will demonstrate appropriate venipuncture techniques and differentiate between the two major sites on intravenous drug administration.

RADT196 C - Selected Topics I

- Given the knowledge of imaging principles and techniques to produce diagnostic radiographs, the student will be able to evaluate a radiographic case study for image quality.

RADT197 C - Selected Topics II

- The student will be able to recall all routine and fluoroscopic positioning criteria.

RADT198 C - Selected Topics III

- The student will be able to recall all quality control test procedures for radiographic equipment.

RADT247 C - Radiographic Positioning II

- Through role playing, the student will properly perform a radiographic imaging procedure of the skull to include communication, radiation protection, critical thinking skills, and patient care skills.
- Through role playing, the student will properly perform a radiographic imaging procedure of the spine to include communication, radiation protection, critical thinking skills, and patient care skills.

RADT251 C - Radiology Externship

- The student will perform basic radiography tasks while in the imaging department while following the hospital department policies and protocols and utilizing proper communication skills.
- The student will perform basic radiography tasks while in the imaging department while following the hospital department policies and protocols.

RADT252 C - Radiobiology

- The student will evaluate the most appropriate methods of protection for both the patient and the radiographer.

RADT253 C - Radiation Laws and Ethics

- Students will formulate an essay describing a current legal, ethical topic pertaining to patient care.

RADT254 C - Clinical Internship I

- Given the knowledge of department protocols and routines for radiographic exams, the student will properly position the patient for the required image.
- Given the knowledge of imaging principles and concepts to produce diagnostic radiographs, the student will be able to perform chest, abdomen, and extremity procedures with no more than a 5% repeat rate.

RADT255 C - Clinical Internship II

- Given the knowledge of imaging principles and concepts to produce diagnostic radiographs, the student will be able to perform radiographic and fluoroscopic procedures with no more than a 5% repeat rate.
- The student will apply the technical concepts and patient care principles to complete the clinical objectives related to x-raying their patients.
- The student will recognize the requirements and routines of the exams involved in x-raying patients.

RADT256 C - Clinical Internship III

- Given the knowledge of imaging principles and concepts to produce diagnostic radiographs, the student will be able to perform radiographic procedures with no more than a 5% repeat rate.
- The student will apply the technical concepts and patient care principles to complete the clinical objectives related to x-raying their patients.
- The student will recognize the requirements and routines of the exams involved in x-raying patients.

RADT260 C - Fluoroscopy Permit Course

- The student will determine if exposure rate is within performance guidelines to produce quality fluoroscopic examinations.
- The student will evaluate the performance of the automatic exposure control system for digital reproducibility.

RADT262 C - Cross-Sectional Imaging

- The student will recognize and identify the anatomy of the brain, skull, chest, thorax, spine, abdomen, and pelvis.

RADT299 C - Imaging Independent Study

- The student will complete all objectives listed in the contract.

Language Arts Div.**Communication Dept.****CSLO****COMM049 C - Oral Communication for Adv. Non-Native Speakers**

- In a group communication situation, the student will be able to demonstrate the ability to interact effectively with others.
- In front of a live audience, the student will be able to deliver a speech between 4 and 9 minutes in length. The speech will demonstrate knowledge, organization, be tailored to a specific audience and meet the grading criteria established by the Communication Studies department.
- Through the use of objective and/or subjective assessment techniques students will be able to demonstrate appropriate communication skills related to interacting in US society.

COMM050 C - Effective Communication

- In a group communication situation, the student will be able to demonstrate the ability to interact effectively with others and show an understanding of the underlying dynamics of effective group communication.
- In front of a live audience, the student will be able to deliver an informative or persuasive extemporaneous speech between 4 and 9 minutes in length. The speech will demonstrate research, organization, be tailored to a specific audience and meet the grading criteria established by the Communication Studies department.
- Skills necessary to achieve a career objective. 1) Students will generate a cover letter that demonstrates both appropriate content and professional writing style. 2) Students will generate a resume that demonstrates both appropriate content and professional writing style. 3) Students will participate in mock interviews that demonstrate an understanding of effective interview techniques. Students will demonstrate competence with a minimum 70% proficiency rating.

COMM098 C - Communication Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

COMM100 C - Human Communication

- In front of a live audience, the student will be able to deliver an informative and persuasive extemporaneous speech between 4 and 9 minutes in length. The speech will demonstrate research, organization, be tailored to a specific audience and meet the grading criteria established by the Communication Studies department.
- Through the examination of rhetorical discourse, students will critically evaluate the communicative effectiveness of particular speakers.
- Through the use of objective and/or subjective assessment techniques students will be able to demonstrate a recognition of the critical elements of the communication process. Students will demonstrate their understanding of departmentally approved core concepts at a minimal level 70% proficiency.

COMM100 HC - Honors Human Communication

- In front of a live audience, the student will be able to deliver an informative and persuasive extemporaneous speech between 4 and 9 minutes in length. The speech will demonstrate research, organization, be tailored to a specific audience and meet the grading criteria established by the Communication Studies department.
- Through the examination of rhetorical discourse, students will critically evaluate the communicative effectiveness of particular speakers.
- Through the use of objective and/or subjective assessment techniques students will be able to demonstrate a recognition of the critical elements of the communication process. Students will demonstrate their understanding of departmentally approved core concepts at a minimal level 70% proficiency.

COMM105 C - Interpersonal Communication

- In a 3-5 page paper that meets college level writing standards, students will be able to demonstrate understanding of interpersonal concepts through the critical analysis and assessment of an interpersonal communication event.
- Through the use of objective and/or subjective assessment techniques students will be able to demonstrate recognition of critical elements of the interpersonal communication process. Students will demonstrate their understanding of departmentally approved core concepts at minimal level 70% proficiency.

- Through the use of objective and/or subjective assessment techniques students will be able to demonstrate their understanding of the role of the "self" as it relates to relationships and interactions with others. Students will demonstrate their understanding at minimal level 70% proficiency.

COMM120 C - Intercultural Communication

- In a 3-5 page paper that meets college level writing standards, students will be able to demonstrate understanding of intercultural concepts and culture through the critical analysis and assessment of an intercultural communication experience.
- Through the use of objective and/or subjective assessment techniques students will be able to demonstrate recognition of critical elements of the intercultural communication process. Students will demonstrate their understanding of departmentally approved core concepts at minimal level 70% proficiency.
- Through the use of objective and/or subjective assessment techniques students will be able to demonstrate their understanding of the role of culture in communication including the nature of culture, factors that influence culture and the barriers to effective intercultural communication. Students will demonstrate their understanding at minimal level 70% proficiency.

COMM124 C - Small Group Communication

- In a 3-5 page paper that meets college level writing standards, students will be able to demonstrate understanding of group communication concepts through the critical analysis and assessment of a group interaction.
- In front of a live audience, the student will be able to participate in a group activity that demonstrates the ability to interact effectively with others and that shows an understanding of the underlying dynamics of group communication.
- Through the use of objective and/or subjective assessment techniques students will be able to demonstrate recognition of critical elements of the small group communication process. Students will demonstrate their understanding of departmentally approved core concepts at minimal level 70% proficiency.

COMM135 C - Argument and Critical Thinking

- In a 3-5 page paper that meets college level writing standards, students will be able to demonstrate understanding of argumentation theory and concepts through the critical analysis and assessment of rhetorical discourse.
- In front of a live audience, the student will be able to advocate a particular point of view. The 4 to 9 minute argumentative discourse will demonstrate research, organization, critical analysis/logic and meet the grading criteria established by the Communication Studies department.
- Through the use of objective and/or subjective assessment techniques students will be able to demonstrate recognition of the central elements of argumentation and critical thinking. Students will demonstrate their understanding of departmentally approved core concepts at a minimal level of 70% proficiency.

COMM138 C - Forensics

- At a collegiate forensics competition, the student will deliver a public presentation that conforms to the rules and standards of intercollegiate forensics. The presentation will demonstrate research, organization, be tailored to a specific audience and meet the criteria established by the Director of Forensics.
- Through the examination of rhetorical discourse, students will critically evaluate the communicative effectiveness of particular speakers.
- Through the use of objective and/or subjective assessment techniques students will be able to demonstrate a recognition of the critical elements of forensics competition. Students will demonstrate their understanding of departmentally approved core concepts at a minimal level 70% proficiency.

COMM220 C - The Rhetoric of the City

- In a 3-5 page paper that meets college level writing standards, students will be able to demonstrate understanding of the culture of a particular city through the critical analysis and assessment of a specific aspect of that city such as environment, historical considerations and social structures.
- Through the use of objective and/or subjective assessment techniques students will be able to demonstrate recognition of critical elements of the rhetorical nature of cities. Students will demonstrate their understanding of departmentally approved core concepts at minimal level 70% proficiency.
- Through the use of subjective assessment techniques students will be able to demonstrate their familiarity with a specific aspect of the city's culture. Students will be required to visit a city landmark or attend a cultural event. Students will demonstrate their understanding at minimal level 70% proficiency.

COMM220 HC - Honors Rhetoric of the City

- In a 3-5 page paper that meets college level writing standards, students will be able to demonstrate understanding of the culture of a particular city through the critical analysis and assessment of a specific aspect of that city such as environment, historical considerations and social structures.
- Through the use of objective and/or subjective assessment techniques students will be able to demonstrate recognition of critical elements of the rhetorical nature of cities. Students will demonstrate their understanding of departmentally approved core concepts at minimal level 70% proficiency.
- Through the use of subjective assessment techniques students will be able to demonstrate their familiarity with a specific aspect of the city's culture. Students will be required to visit a city landmark or attend a cultural event. Students will demonstrate their understanding at minimal level 70% proficiency.

COMM238 C - Forensics

- At a collegiate forensics competition, the student will deliver a public presentation that conforms to the rules and standards of advanced intercollegiate forensics. The presentation will demonstrate research, organization, be tailored to a specific audience and meet the criteria established by the Director of Forensics.

- Through the examination of rhetorical discourse, students will critically evaluate the communicative effectiveness of particular speakers.
- Through the use of objective and/or subjective assessment techniques students will be able to demonstrate a recognition of the critical elements of forensics competition. Students will demonstrate their understanding of departmentally approved core concepts at a minimal level 80% proficiency.

COMM298 C - Communication Studies Seminar

- Student learning outcomes will be identified along with the course objectives

COMM299 C - Communication Independent Stud

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

COMM340 C - Communication for Health Svs

- In front of a live audience, the student will be able to deliver a speech between 4 and 9 minutes in length. The speech will demonstrate research, organization, be tailored to a specific audience and meet the grading criteria established by the Communication Studies Department.
- Students will demonstrate an ability to apply significant concepts of either interpersonal communication or intercultural communication to matters related to communication within the Mortuary Science field. Students will write a 3-5 page paper in which they describe the communicative behaviors observed, interpret the messages conveyed in the interaction, and apply the theoretical constructs to the described behaviors and interpretations.
- Through the use of objective and/or subjective assessment techniques, students will be able to demonstrate a recognition of the critical elements of the communication process. Students will demonstrate their understanding of departmentally approved core concepts at a minimal 70% proficiency.

English as a Second Language Dept.

CSLO

ESL051 C - Intermediate Pronunciation

- Students will identify pronunciation sounds, stressed words, intonation, and/or the rhythm patterns of English with 70% accuracy.

ESL052 C - Intermediate ESL Grammar 1

- At the end of the semester, students will be able to demonstrate correct use of basic verb tenses and forms with 70% accuracy.

ESL053 C - Intermediate ESL Grammar 2

- At the end of the semester, students will be able to demonstrate understanding of English sentence structures at a high intermediate level with 70% accuracy.

ESL054 C - Int. Academic Oral Skills NNS

- By the end of the course, students must achieve 70% or better accuracy on a listening assessment that includes the following components taught during the course: vocabulary, grammatical structures, global meaning negotiated in spoken conversations, discrete speech sounds, and intonation patterns.

ESL062 C - Advanced ESL Grammar 1

- At the end of the semester, students will be able to demonstrate correct use of commonly used verb tenses and forms with 70% accuracy.

ESL063 C - Advanced ESL Grammar 2

- At the end of the semester, students will be able to demonstrate correct use of sentence structures with 70% accuracy.

ESL064 C - Adv. Academic Oral Skills NNS

- On a post self-assessment given at the end of the course, students will indicate a 10 % reduction (from the pre-assessment) in the level of stress associated with comprehending, and producing spoken English found in social and/or academic contexts.

ESL066 C - Advanced ESL Reading

- On a reading exam at the end of the semester, students will be able to comprehend and analyze academic reading material at an advanced level with 70% accuracy.

ESL080 C - Low Intermediate Academic Reading/Writing 1

- Grammar: On a test at the end of the semester, students will be able to demonstrate appropriate grammatical structures and language use at a high-beginning/low-intermediate level with 70% accuracy.
- Reading: On a test at the end of the semester students will be able to interpret reading material written at a high-beginning/low-intermediate level and read in a meaningful rather than mechanical way.
- Writing: In a given writing task at the end of the semester, students will be able to write about a topic with appropriate development with 70% accuracy.

ESL081 C - Low Int. Academic Rdng/Wrtng

- Writing: In a given writing task at the end of the semester, students will be able to develop a paragraph which states a clear topic sentence and supports that topic sentence with adequate and appropriate development with 70% accuracy.

ESL098 C - ESL Seminar/Non-Native Speakers

- This will vary according to the subject of this seminar.

ESL099 C - Independent Study/Non-Native Speakers

- Dependent upon Independent Study Learning Contract.

ESL182 C - Int. Academic Rdnng/Wrtng

- Writing: In a given writing task at the end of the semester, students will be able to develop a paragraph which states a clear topic sentence and supports that topic sentence with adequate and appropriate development and logical organization with 70% accuracy.

ESL183 C - High Int. Academic Rdnng/Wrtng

- Writing: In a given writing task at the end of the semester, students will be able to develop a paragraph which states a clear topic sentence and supports that topic sentence with adequate and appropriate development, and logical rhetorical organization with 70% accuracy.

ESL184 C - Adv Academic Reading/Writing 1

- In a given writing task at the end of the semester, students will be able to produce a basic essay which states a clear thesis and supports that thesis with appropriate development and logical rhetorical organization with 70% accuracy.

ESL185 C - Adv Academic Reading/Writing 2

- In a given writing task at the end of the semester, students will be able to develop an essay which states a clear thesis and supports that thesis with appropriate development and logical rhetorical organization with 70% accuracy.

ESL186 C - College Writing Prep. for NNS

- In a given writing task at the end of the semester, students will be able to incorporate an outside source to develop an essay which states a clear thesis and supports that thesis with adequate and appropriate development, and logical rhetorical organization with 70% accuracy.

ESL298 C - English as a Second Language Seminar

- This will vary according to the subject of this seminar.

English Dept.

CSLO

ENGL010LC - Advanced English Skills Lab

- Write logical, effective essays which are coherent, well-organized, and well-supported according to the standards of the applicable discipline. Apply proper methods of research and documentation as needed.

ENGL027 C - Basic Study Skills

- Students will evaluate their progress in applying basic study strategies to meet academic and personal goals.
- Students will identify and illustrate strategies in one or more of the following study skills areas: goal setting, learning styles, time management, note taking, study reading, concentration and memory or test taking, or research.

ENGL057 C - Reading & Writing I

- Responding to a writing prompt, the student will write a topic-based paragraph which expresses a unified point of view. The paragraph will include a main idea, major details and some minor details, and a simple conclusion, using traditional rules of grammar, punctuation and usage.

- Responding to an English 57-level reading passage using literal, inferential, and critical reading skills, the student will identify clearly stated main ideas, major and some minor supporting details, and draw simple inferences and conclusions. The student will use dictionary and contextual clues to identify the meaning of vocabulary within the passage.

ENGL058 C - Reading & Writing II

- Writing: Responding to a writing prompt, the student will write a coherent, well-organized short composition which fully develops the topic. The composition will include a main idea, supporting details, and a conclusion, using grammatically correct sentences of varied structure and length.

ENGL060 C - College Writing Preparation

- Students will identify and utilize common rhetorical modes, formulate a thesis that clearly expresses the central idea, and develop paragraphs in a logical sequence with precise and appropriate sentence structures, words, and grammar at 70% accuracy.

ENGL096 C - College Reading Strategies

- Responding to a portion of a content skills textbook chapter, the student will, with 80% accuracy, correctly identify and highlight the authors thesis or main idea, and important details then paraphrase these into a written summary.
- Responding to a vocational or technical textbook chapter, the student will use, with 80% accuracy, word parts to define specialized vocabulary.

- Responding to an abstract of a professional journal article, the student will correctly identify, with 80% accuracy, the following parts of an abstract: motivation, problem statement, approach, results, and conclusion.

ENGL098 C - Language Arts Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

ENGL098 EC - Academic Reading and Study Strategies

- Students will discuss and explain strategies in one or more of the following areas: the roles and responsibilities of a college student, note taking, study reading, campus resources and/or test taking. They will also discuss and analyze how they have applied the strategies and explain their plan for remembering the strategy for future use.
- Students will evaluate their progress in applying appropriate study strategies to succeed in the content area course(s) in which they are currently enrolled

ENGL100 C - College Writing

- In a research paper, students will be able to present ideas clearly distinguished from the ideas of others, demonstrating the ability to use research techniques and MLA documentation.
- On any given essay, students will be able to formulate a thesis that clearly expresses the central idea of the essay, construct paragraphs that develop and support a main idea, and organize paragraphs into a logical sequence so that the central idea is developed to a logical conclusion.

ENGL100HC - Honors College Writing

- In a research paper, students will be able to present ideas clearly distinguished from the ideas of others, demonstrating the ability to use research techniques and MLA documentation.
- On any given essay, students will be able to formulate a thesis that clearly expresses the central idea of the essay, construct paragraphs that develop and support a main idea, and organize paragraphs into a logical sequence so that the central idea is developed to a logical conclusion.

ENGL102 C - Introduction to Literature

- In an essay or on an exam, students will demonstrate an understanding of the elements of literature.

ENGL102 HC - Honors Introduction to Literature

- Outcome: In an essay or on an exam, students will demonstrate reading comprehension and an understanding of the elements of literature.

ENGL102HC - Honors Intro to Literature

- In an essay or on an exam, students will demonstrate an understanding of the elements of literature.

ENGL103 C - Critical Reasoning and Writing

- In a research essay, students will demonstrate an ability to write effective claims and provide well-reasoned and logical supports.

ENGL103 HC - Honors Critical Reasoning and Writing

- In a research essay, students will demonstrate an ability to understand and apply appropriate research methods and formatting.
- In a research essay, students will demonstrate an ability to write effective claims and provide well-reasoned and logical supports.
- In a research essay, students will demonstrate understanding of one critical thinking and writing model.

ENGL104 C - Critical Analysis & Literature

- In a research essay, students will demonstrate an ability to write a well-researched and effective essay that incorporates such writing strategies as analysis, synthesis, interpretation, and definition. CAT

ENGL104HC - Honors Critical Analysis & Lit

- In a research essay, students will demonstrate an ability to write a well-researched and effective essay that incorporates such writing strategies as analysis, synthesis, interpretation, and definition.

ENGL105 C - Intro to Creative Writing

- In a short story, students will demonstrate their ability to analyze and recognize literary and aesthetic elements used in short story writing.

ENGL106 C - Critical Rdg, Wrtg & Thinking

- Students will analyze a written argument to correctly identify and evaluate fallacious reasoning.
- Students will analyze a written argument to correctly identify and evaluate the author's tone as well as the language that contributes to the development of the tone.
- Students will analyze a written argument to correctly identify and evaluate the authors tone as well as the language that contributes to the development of the tone.
- Students will analyze a written argument to determine the structure of the argument.
- Students will analyze a written argument to identify and evaluate strengths and weaknesses in the authors use of evidence.

ENGL108 C - Writing the Personal Statement

- Upon completion of the course, students will successfully demonstrate an understanding of the content and format of the personal statement essay for transfer applications to four-year institutions.

ENGL110 C - Humanities: Ancient & Medieval

- When presented with images, literature, and music from the periods covered in the course, students will be able to identify the period, style, and artist, author, or composer (if applicable).

ENGL111 C - Humanities:Renaissance-Present

- When presented with images, literature, and music from the periods covered in the course, students will be able to identify period, style, and artist, author, or composer (if applicable).

ENGL117 C - Academic Rdg & Study Strat

- Students will discuss and explain strategies in one or more of the following areas: the roles and responsibilities of a college student, note taking, study reading, campus resources and/or test taking. They will also discuss and analyze how they have applied the strategies and explain their plan for remembering the strategy for future use.
- Students will evaluate their progress in applying appropriate study strategies to succeed in the content area course(s) in which they are currently enrolled
- Students will evaluate their progress in applying appropriate study strategies to succeed in the content area course(s) in which they are currently enrolled.

ENGL125 C - The Film

- In an essay, students will demonstrate the ability to write a well-researched and effective essay on an auteur or genre that employs effective critical thinking and analysis.

ENGL125HC - Honors Film

- In an essay, students will demonstrate the ability to write a well-researched and effective essay on an auteur or genre that employs effective critical thinking and analysis.
- In an essay, students will identify and employ appropriate terminology when discussing the elements of film.

ENGL126 C - Introduction to Screenwriting

- In an original screenplay, students will employ basic elements of script writing in correct format.

ENGL127 C - Intro to Poetry Writing

- Students will create poems in a variety of genres.
- Students will create poetry in a variety of styles.
- Students will demonstrate the ability to read and evaluate published poetry.

ENGL128 C - Intro to Short Story Writing

- Students will create short stories in a variety of genres.
- Students will create short stories in a variety of styles.
- Students will demonstrate the ability to read and evaluate published short stories.

ENGL130 C - Intro to Creative Nonfic Wrtg

- Students will create works of creative nonfiction in a variety of genres.
- Students will create works of creative nonfiction in a variety of styles.
- Students will demonstrate the ability to read and evaluate published works of creative nonfiction.

ENGL135 C - Grammar and Usage

- Given writing samples in standard English, students will proofread and correct grammar, punctuation, style, and usage errors.

ENGL137 C - College Study Strategies

- In a short essay, students will discuss strategies in one or more of the following areas: goal setting, learning styles, time management, note taking, study reading, concentration and memory, test taking, or research. Students will explain at least three specific strategies not covered in question one, describe specifically how they have applied the strategies (or will apply them in the future), and explain their plan for remembering the strategy for future use. Essays will be evaluated using a three-point rubric.
- Referring to self-evaluations written at the beginning of the course, students will write a short essay to evaluate their progress in applying appropriate study strategies to meet academic and personal goals. Essays will be evaluated using a three-point rubric.

ENGL208 C - Asian American Literature

- On an essay exam students will critically analyze the influence of race, class, gender, or place in the writings of immigrant and native writers in Asian American literature.

ENGL211 C - English Literature to 1760

- On an exam, students will identify and explicate the literature of each historical period, recognizing literary devices and genres and explaining the relationship between literature and its cultural setting.

ENGL212 C - English Literature Since 1760

- Upon completion of the course, students will be able to identify and explicate literature of each historical period, recognizing literary devices and genres and explaining the relationship between literature and its cultural setting.

ENGL221 C - American Literature to 1865

- Outcome: In an essay, students will analyze the themes, characteristics, and literary conventions of American Literature from the Colonial Period until 1865.

ENGL222 C - American Literature Since 1865

- On an exam, students will identify the major historical developments in American Literature since 1865. 2. In an essay, students will analyze the themes, characteristics, and literary conventions of American Literature since 1865.

ENGL225 C - Literary Journal Publication

- Evaluate and select works submitted for journal publication.
- Organize the layout and construction of a literary journal.
- Understand the history and importance of literary publications.

ENGL234 C - Shakespeare

- On an exam or an outside of class essay, students will demonstrate the ability to produce a close textual reading of selected works.
- On an exam or in an essay, students will identify the main characters and plots of the major dramas.
- On an exam, students will identify the form and structure of the English sonnet and demonstrate an understanding of Shakespeare's use of language.

ENGL234 HC - Honors Shakespeare

- On an exam or an outside of class essay, students will demonstrate the ability to produce a close textual reading of selected works.
- On an exam or in an essay, students will identify the main characters and plots of the major dramas.
- On an exam, students will identify the form and structure of the English sonnet and demonstrate an understanding of Shakespeare's use of language.

ENGL239 C - Survey-Children's Literature

- In a test, students will analyze the multicultural context of children's literature in the United States.
- In a test, students will demonstrate an understanding of the broad historical development of children's literature.
- In a test, students will identify different genres and representative examples.

ENGL243 C - Mythology

- Students will be able to identify major deities and stories from various cultures.

ENGL247 C - Multicultural Literature

- In an essay, students will be able to recall basic information about writers' diversity, recognize literature as cultural legacy, and explain the influence of race, class, gender, and place in writing by immigrant and native writers.

ENGL248 C - Science Fiction

- Upon successful completion of ENG 248 C Science Fiction, the student will be able to analyze a text based on its literary, historical, social and/or cultural significance.
- Upon successful completion of ENG 248 C Science Fiction, the student will be able to explain the stylistic, formal, thematic, and/or rhetorical elements of a text in order to reveal its artistic and/or historical contributions to science fiction.
- Upon successful completion of ENG 248 C Science Fiction, the student will be able to identify the ways in which development in science and technology affected trends and developments in science fiction.
- Upon successful completion of ENG 248 C Science Fiction, the student will be able to illustrate the connections between works of science fiction and the societal conditions under which they were produced.

ENGL255 C - African-American Literature I

- In a research project, students will be able to analyze a literary work of African-American literature from the colonial era to 1900
- Students will be able to identify and define the major movements in the African-American literary diaspora, from the colonial era to 1900.

ENGL256 C - African-American Literature II

- In a research project, students will be able to analyze a work from one of the eras of African-American literature from the Reconstruction era to the present.

- Students will be able to identify and define the major movements in the African-American literary diaspora from the Reconstruction era to the present.

ENGL260 C - Survey of Arabic Literature

- In an essay, students will be able to recall basic information about Arabic literary traditions and evaluate the cultural and social traditions that influence Arabic literature.

ENGL298 C - Language Arts Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed
- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

ENGL299 C - Language Arts Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

ENGL310 C - Adv Writing in the HS

- Upon completion of the course, students will demonstrate an ability to understand and apply appropriate research methods and formatting.
- Upon completion of the course, students will demonstrate understanding of critical thinking and writing models
- Upon completion of the course, students will demonstrate understanding of critical thinking and writing models.

ENGLN01 C - Supervised Tutoring: English

- Upon successful completion of English N01 C, Supervised Tutoring, students will report progress in selected areas of individual study.

Foreign Language Dept.

CSLO

CHIN098 C - Chinese Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

CHIN100 C - Beginning Spoken Chinese

- Listening: Understand social and cultural selections narrated Chinese native speakers at the students' level (beginning).
- Speaking: Answer open ended questions in spoken Chinese about social and cultural selections at the students' level (beginning).

CHIN101 C - Elementary Chinese-Mandarin I

- Listening: Understand short dialogs by Chinese native speakers at the first semester beginning college level.
- Speaking: Answer oral questions in basic spoken Chinese at the first semester beginning college level.
- Writing: Write a paragraph that expresses an idea about a given topic.

CHIN102 C - Elementary Chinese-Mandarin II

- Listening: Understand short dialogs by native Chinese speakers at the end-of-the-second-semester beginning college level.
- Speaking: Answer oral questions in basic spoken Chinese at the end-of-the-second semester beginning college level.
- Writing: Compose a paragraph that expresses an idea about a given topic at the end-of-the-second-semester beginning college level.

CHIN203 C - Intermed. Chinese-Mandarin III

- Upon completion of the course students will be able to comprehend reading material in Chinese characters at the intermediate level with 70% accuracy.
- Upon completion of the course students will be able to develop a logical and coherent paragraph on a given topic with complete, well-formed sentences in Chinese characters at the intermediate level at 7 or above on a 10 point scale.
- Upon completion of the course, students will be able to comprehend and express thoughts clearly and grammatically when being asked questions at the intermediate level with 70% accuracy.

CHIN298 AC - Beginning Spoken Chinese

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

CHIN298 C - Chinese Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

FREN098 C - French Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

FREN101 C - Elementary French I

- Listening: Recognize the French sound system at the novice level.
- Reading: Understand high frequency contextualized vocabulary at the novice level.
- Writing: Produce simple sentences using basic syntax at the novice level.

FREN102 C - Elementary French II

- Listening: understand short dialogs recorded by native speakers for the second semester beginning college level.
- Speaking: answer in basic spoken French questions designed for the second semester beginning college level.
- Writing: write a short composition that expresses an idea in a given topic at the second semester beginning college level.

FREN200 C - Conversational French

- Listening: Understand social, cultural, and literary selections narrated by French native speakers at the students' level (intermediate or advanced).
- Speaking: Answer open ended questions in spoken French about social, cultural, and literary selections at the students' level (intermediate or advanced).

FREN203 C - Intermediate French III

- Reading: understand social, cultural, and literary reading selections adapted for the first semester intermediate college level.
- Speaking: answer in spoken French questions about social and cultural issues appropriate for the first semester intermediate college level.
- Writing: write an analytical composition on a social or cultural topic appropriate for the first semester intermediate college level.

FREN204 C - Intermediate French IV

- Reading: understand social, cultural, and literary reading selections adapted for the second semester intermediate college level.
- Speaking: answer in spoken French questions about social and cultural issues appropriate for the second semester intermediate college level.
- Writing: write an analytical composition on a social or cultural topic appropriate for the second semester intermediate college level.

FREN298 C - French Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

FREN299 C - French Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

JAPN098 C - Japanese Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

JAPN100 C - Spoken Japanese for Beginners

- SLO1. Upon completion of the course, students will be able to conduct a simple conversation and presentation in Japanese with 70% accuracy. SLO2. Upon completion of the course, students will be able to write short dialogues with a narration in Romanized Japanese with 70% accuracy. SLO2. Upon completion of the course, students will be able to write short dialogues with a narration in Romanized Japanese with 70% accuracy.

JAPN101 C - Elementary Japanese I

- SLO 1. Communication Skills (Speaking and Listening) Upon completion of the course, students will be able to speak with proper accent and pronunciation and articulate simple situation in daily life with 70% accuracy.
- SLO 2 Reading Skills Upon completion of the course, students will read Japanese syllable, hiragana, with introductory katakana and kanji with 70% accuracy. .
- SLO 3 Writing Skills: Upon completion of the course, students will be able to write simple sentences in hiragana by using vocabulary learned in class with 70 % accuracy

JAPN102 C - Elementary Japanese II

- Statement of Student Learning Outcome Japanese 102 focuses on proficiency in reading, writing, listening, and speaking in Japanese. SLO # 1 Reading and Grammar; Students will be able to read and comprehend paragraphs in 3 styles of Hiragana, Katakana, and Kanji based on learned vocabulary in Japanese. Students will also be able to further develop their understanding of Japanese grammar and recognize simple sentences. SLO # 2 Listening and speaking Students will be able to listen, comprehend, and respond clearly with correct grammar when asked questions at the elementary level. Students will also be able to participate in casual conversation. SLO #3 Writing: Students will be able to write short paragraphs in KATAKANA, HIRAGANA, and KANJI using complete and accurate sentences related to a familiar topic based on learned vocabulary in Japanese.

JAPN200 C - Conversational Japanese

- Students will be able to develop an understanding of Japanese culture by conducting research and writing an essay with 70% accuracy
- Upon completion of the course, students will be able to conduct a simple free conversation and completion of the course. Students will be able to write short dialogue with a narration in Japanese with 70% accuracy.

JAPN201 C - Study of Kanji

- Communication Skills (Speaking and Listening). Upon completion of the course, students will be able to speak with proper accent and pronunciation of Kanji and articulate simple situations in daily life with 70% accuracy.
- Reading Skills. Upon completion of the course, students will read short sentences with Kanji in it, with 70% accuracy.
- Writing Skills. Upon completion of the course, students will be able to write simple sentences by using Kanji vocabulary learned in class with 70% accuracy.

JAPN203 C - Intermediate Japanese III

- Statement of Student Learning Outcomes (SLO) The Japanese 203C; Intermediate Japanese III; focuses on proficiency in reading, listening/speaking, and writing in Japanese. Students will improve appropriate spoken and written communication skills with emphasis on basic grammar. SLO #1 - Reading Comprehension and Grammatical Structure Skills: Students will be able to identify, analyze, and interpret contents of an authentic Japanese reading material with 70% accuracy SLO #2 - Listening/Speaking and Communication Skills: Students will be able to effectively participate in Japanese conversation by properly expressing themselves and responding to questions with 70% accuracy. SLO #3 - Writing Skills: Students will be able to compose a short essay in Japanese expressing their opinion on a given topic with 70% accuracy.

JAPN204 C - Intermediate Japanese IV

- Oral and Communication Skills: Students will be able to understand Japanese social structure and speak at a higher proficiency level which includes using three styles of Japanese Honorific expression (Keigo;polite language, Sonkeigo; respectful language, and Keigo;humble language) with 70% accuracy

JAPN298 C - Japanese Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

JAPN299 C - Japanese Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

PORT101 C - Elementary Portuguese I

- Upon successful completion of this course students will have developed listening, speaking, and writing abilities in Portuguese as follows: ? Listening: Understand short dialogs by native speakers at the first semester beginning college level. ? Speaking: Answer oral questions in basic spoken Portuguese at the first semester beginning college level. ? Writing: Write a paragraph that expresses an idea about a given topic at the first semester beginning college level.

PORT102 C - Elementary Portuguese II

- Outcome: Upon successful completion of this course students will have developed listening, speaking, and writing abilities in Portuguese as follows: ? Listening: Understand short dialogs recorded by native speakers for the second semester college students audience. ? Speaking: Answer in basic spoken Portuguese questions designed for the second semester college student. ? Writing: Write a three paragraph composition that expresses an idea in a given topic.

SPAN050 C - Public Service Spanish

- This course is being deactivated

SPAN053 C - Basic Spoken Spanish

- Outcome: Listening - Recognize the Spanish sound system at the novice level.
- Reading - Understand high frequency contextualized vocabulary at the novice level.
- Writing - Produce simple sentences using basic syntax at the novice level.

SPAN098 C - Spanish Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

SPAN101 C - Elementary Spanish I

- Speaking: Answer oral questions in basic spoken Spanish at the first semester beginning college level.
- Upon successful completion of this course students will have developed listening, speaking, and writing abilities in Spanish as follows. Listening: Understand short dialogs by native speakers at the first semester beginning college level.
- Writing: Write a paragraph that expresses an idea about a given topic.

SPAN102 C - Elementary Spanish II

- Speaking: Answer oral questions in basic spoken Spanish at the second semester beginning beginning college level.
- Upon successful completion of this course students will have developed listening, speaking, and writing in Spanish as follows. Listening: Understand short dialogs by native speakers at the second semester beginning college level.

- Writing: Write a paragraph that expresses an idea about a given topic at the second semester beginning college level.

SPAN200 C - Conversational Spanish

- Speaking: Produce a complete and cohesive presentation on a cultural topic covered in class

SPAN201 C - Spanish for Spanish Speakers I

- Grammatical Structure and Composition Skills: Students will write a short essay on a given social or cultural topic.
- Literary Analysis: Students will analyze a short story during the final exam.
- Oral and Communication Skills: An in-class oral presentation using multimedia, on a cultural or social topic of a Latin American country.

SPAN202 C - Spanish for Span Speakers II

- Reading: understand and appreciate social, cultural, and literary reading selections at the intermediate/advanced college level. 2. Speaking: give an oral presentation in Spanish about social and cultural issues appropriate for the intermediate/advanced college level. 3. Writing: write an analytical composition on a social or cultural topic appropriate for the intermediate/advanced college level.

SPAN203 C - Intermediate Spanish III

- Reading: Understand social, cultural, and literary reading selections adapted for the first semester intermediate college level.
- Speaking: Answer in spoken Spanish questions about social and cultural issues appropriate for the first semester intermediate college level.
- Writing: Write an analytical composition on a social or cultural topic appropriate for the first semester intermediate college level.

SPAN204 C - Intermediate Spanish IV

- Reading: understand social, cultural, and literary reading selections adapted for the second semester intermediate college level.
- Speaking: Answer in spoken Spanish questions about social and cultural issues appropriate for the second semester intermediate college level.
- Writing: Write an analytical composition on a social or cultural topic appropriate for the second semester intermediate college level.

SPAN298 C - Spanish Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

SPAN299 C - Spanish Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

Interdisciplinary Studies Dept.

CSLO

INDS092 C - Work Experience-General

- Student learning outcomes will be tailored to correspond to the student's work experience assignment.

INDS100 C - Humanities: Ancient & Medieval

- Students will have read excerpted literature from the periods covered in the course.
- Students will listen to and identify music samples from the periods covered in the course.
- Upon completion of the course, students will be able to identify images from the periods covered in the course--prehistory, Mesopotamia, Egypt, Greece, Rome, and the early Middle Ages.

INDS101 C - Humanities: Renaissance-Present

- Students will identify images from the periods covered in the course--Early Renaissance, High Renaissance, Baroque, Rococo, Neoclassic, Romantic, and the twentieth century.
- Students will read excerpts from the literature covered in class.
- Students will listen to and identify music samples from the periods covered in class.

INDS115 C - Learning Communities Seminar

- Upon completion of the course, students will demonstrate an understanding of interdisciplinary education.
- Upon completion of the course, students will demonstrate an understanding of Learning Communities issues and opportunities.
- Upon completion of the course, students will demonstrate an understanding of Learning Community educational theory and practice.

INDS120HC - Honors Program Seminar

- 1. Upon completion of the course students will demonstrate an understanding of Honors education issues and opportunities. 2. Upon completion of the course students will demonstrate an understanding of scholarship writing skills. 3. Upon completion of the course students will demonstrate an understanding of Service Learning educational theory and practice.
- 2. Upon completion of the course students will demonstrate an understanding of scholarship writing skills.

INDS298 C - Interdisciplinary Studies-Semnr

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed..

Library Non-Instructional Div.
English Success Center
CSLO No CSLOs
Learning Resource Center
CSLO No CSLOs
Library (Non-Instructional)
CSLO No CSLOs
Math Learning Center
CSLO No CSLOs
Library Science Div.
Library Dept.
CSLO LIB100 C - Introduction to Research <ul style="list-style-type: none"> • After articulating a research need, construct and implement a search strategy using appropriate key concepts and terms in order to locate and retrieve books, articles, and authoritative web sites using a variety of library and Internet search tools. • During the research process, differentiate between the types of sources obtained, evaluate the quality and relevance of these sources to the research question, and revise the search strategy, if necessary, to obtain more relevant results to the research • When producing a research paper, correctly synthesize source material into a bibliography or a list of references according to a specified style manual such as MLA.
Physical Education Div.
Physical Education Dept.
CSLO KIN100 C - Adapted Kin Weight Training <ul style="list-style-type: none"> • Upon completion of this course the student will be able to demonstrate knowledge of adapted football, dodge ball, softball and basketball with 70% accuracy. • Upon completion of this course the student will be able to demonstrate knowledge of weight training with 70% accuracy. • Upon completion of this course the student will be able to demonstrate proficiency in the skills of adapted football, dodge ball, softball and wheelchair basketball with 60% accuracy. • Upon completion of this course the student will be able to demonstrate proficiency in the skills of weight training with 60% accuracy. • Upon completion of this course the student will be able to measure and assess his/her fitness level using the health related fitness components with 70% accuracy. • Upon completion of this course the student will be able to measure and assess his/her fitness level using the health related physical fitness components with 70% accuracy. KIN109 C - Spirit Squad

- Upon completion of this course the student will be able to demonstrate knowledge of pep squad techniques with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of pep squad with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN110 C - Surfing

- Upon completion of this course the student will be able to demonstrate knowledge of surfing with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of surfing with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN111 C - Swimming

- Upon completion of the course the student will be able to demonstrate proficiency in swimming skills with 50% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of swimming strokes and pool safety with 70% accuracy.

KIN112 C - Swimming-Intermediate-Advanced

- Upon completion of the course the student will be able to demonstrate proficiency in intermediate/advanced swimming skills with 60% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of intermediate/advanced swimming strokes and pool safety with 70% accuracy.

KIN114 C - Springboard Diving

- Upon completion of the course the student will be able to demonstrate proficiency in a springboard diving skill with 40% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using a health related physical fitness component with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of springboard diving with 70% accuracy.

KIN115 C - Springboard Diving-Intermediate-Advanced

- Upon completion of the course the student will be able to demonstrate proficiency in a springboard diving skill with 60% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using a health related physical fitness component with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of springboard diving with 80% accuracy.

KIN116 C - Swim for Fitness

- Upon completion of this course the student will be able to demonstrate knowledge of the components of fitness swimming with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of swimming fitness by a 10% improvement in a timed swim test.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN117 C - Water Aerobics

- Upon completion of this course the students will be able to demonstrate improved strength, flexibility and cardiovascular conditioning by doing resistive water exercises in the pool.

KIN120 C - Kick-Boxing

- Upon completion of the course the student will be able to demonstrate proficiency in kickboxing skills with 50% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of kickboxing with 70% accuracy.

KIN121 C - Self Defense

- Upon completion of this course the student will be able to demonstrate knowledge of self defense with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of self defense with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness

components with 5% improvement.

KIN128 C - Yoga-Intermediate

- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement
- Upon completion of the course the student will be able to demonstrate proficiency in yoga skills with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate knowledge of yoga techniques and benefits with 70% accuracy.

KIN129 C - Vinyasa Yoga

- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of the course the student will be able to demonstrate proficiency in vinyasa yoga skills with 70% accuracy.

KIN130 C - Yoga

- Upon completion of the course the student will be able to demonstrate proficiency in yoga skills with 50% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement
- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of yoga techniques and benefits with 70% accuracy.

KIN131 C - Restorative Yoga

- Upon completion of the course the student will be able to demonstrate proficiency in yoga skills with 50% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of yoga techniques as they relate to stress management with 70% accuracy.

KIN132 C - Hatha Yoga

- Upon completion of this course, student will demonstrate asana sequence with 80% accuracy.
- Upon completion of this course, student will demonstrate selected breathing techniques for relaxation with 70% accuracy.
- Upon completion of this course, students will describe concepts and ideas based on the science of mind, body, and spirit concept in relation to anatomy and physiology of breathing with 70% accuracy.

KIN133 C - Cardiovascular Conditioning

- Upon completion of the course the student will be able to demonstrate proficiency in cardiovascular exercise with 50% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of basic fitness and conditioning.

KIN134 C - Walking for Fitness

- Upon completion of this course the student will be able to demonstrate knowledge of fitness with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of walking with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN135 C - Cardio Step

- Upon completion of the course the student will be able to demonstrate proficiency in stepping skills with 50% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of basic fitness with 70% accuracy.

KIN136 C - Step Aerobics Intermediate

- Upon completion of this course students will be able to identify the components of fitness within step aerobics training
- Upon completion of this course students will be able to identify the components of fitness within step aerobics training.
- Upon completion of this course students will be able to identify ways to increase the difficulty of steps and step combinations.

KIN137 C - Mountaineering and Rock Climbing

- Upon completion of the course the student will be able to demonstrate proficiency in rock climbing skills with 50% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of terminology and strategies of rock-climbing with 70% accuracy.

KIN138 C - Body Sculpt

- Upon completion of the course the student will be able to demonstrate proficiency in body sculpting skills with 50% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of basic fitness with 70% accuracy.

KIN139 C - Cardio Blast

- Upon completion of the course the student will be able to demonstrate proficiency in rhythmic aerobic skills with 50% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of basic fitness with 70% accuracy.

KIN140 C - Fitness Training

- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN141 C - Spinning

- Upon completion of this course the student will be able to demonstrate proficiency in seat/ handle adjustment, cadence adjustment, and flywheel tension adjustment in regards to hill climbs, sprints and interval training in class and safety.
- Upon completion of this course the student will be able to describe orally in class discussion three physiological and/or psychological benefits they have received through their participation in class with 70% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the Health Related Physical Fitness Components and the corresponding assessment test with 80 % accuracy.

KIN142 C - Power Training

- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN143 C - Strength Training

- Upon completion of the course the students will be able to assess their growth in a health related component of fitness with 5% improvement.

KIN144 C - HIIT-High Inten Interv Trng

- Upon completion of the course the student will be able to demonstrate proficiency in body conditioning skills with 60% accuracy.
- Upon completion of this course the student will be able to demonstrate knowledge of body condition with 70% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN145 C - Boot Camp Workout

- 50% of students will demonstrate improved knowledge of physical training principles by passing a written test.
- Demonstrate improved fitness that includes cardiovascular fitness (including speed, agility, and quickness), upper and lower body strength. Training will include interval, speed, agility, quickness, and weight training.

KIN146 C - Cardio Core

- Upon completion of the course the student will be able to demonstrate proficiency in core strength and stability skills within 60% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of core strength and stability with 70% accuracy.

KIN147 C - Body Building and Development

- Upon completion of the course the student will be able to demonstrate proficiency in body building skills with 60% accuracy.
- Upon completion of this course the student will be able to demonstrate knowledge of body building with 70% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN148 C - Total Body Fitness

- Upon completion of the course the student will be able to demonstrate proficiency in fitness skills with 60% accuracy.
- Upon completion of this course the student will be able to demonstrate knowledge of physical fitness with 70% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN149 C - Weight Training and Lifting

- Students should show increased strength and endurance through measurement.
- The student will demonstrate proficiency in using fitness equipment and assess the basic muscles used in body building.

KIN150 C - Trail Hiking

- Explain the fundamentals of trail hiking, including monitoring heart rate, things to take in a backpack, and trail etiquette with 80% accuracy.
- Identify precautions to be taken for safety, stretching for hiking, and prevention of injuries on the trail with 70% accuracy.
- Improve components of fitness such as cardiovascular endurance, muscle endurance, and muscle strength through progressive hikes of increased intensity and duration by at least 5%.

KIN151 C - Spinning-Beginning

- Upon completion of this course the student will be able to measure and assess their fitness level using the Health Related Physical Fitness Components and the corresponding assessment test with 80 % accuracy.
- Upon completion of this course the student will be able to describe orally in class discussion three physiological and/or psychological benefits they have received through their participation in class with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in seat/ handle adjustment, cadence adjustment, and flywheel tension adjustment in regards to hill climbs, sprints and interval training in class and safety.

KIN152 C - Spinning-Intermediate

- Upon completion of this course the student will be able to measure and assess their fitness level using the Health Related Physical Fitness Components and the corresponding assessment test with 80 % accuracy.
- Upon completion of this course the student will be able to describe orally in class discussion three physiological and/or psychological benefits they have received through their participation in class with 80% accuracy.
- Upon completion of this course the student will be able to demonstrate intermediate proficiency in seat/ handle adjustment, cadence adjustment, and flywheel tension adjustment in regards to hill climbs, sprints and interval training in class and safety.

KIN153 C - Spinning-Advanced

- Upon completion of this course the student will be able to demonstrate advanced proficiency in seat/ handle adjustment, cadence adjustment, and flywheel tension adjustment in regards to hill climbs, sprints and interval training in class and safety.
- Upon completion of this course the student will be able to describe orally in class discussion three physiological and/or psychological benefits they have received through their participation in class with 80% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the Health Related Physical Fitness Components and the corresponding assessment test with 80 % accuracy

KIN159 C - Fitness Testing with Exercise Prescription

- Upon completion of the course the student will be able to demonstrate proficiency in fitness testing skills with 50%
- Upon completion of the course the student will be able to demonstrate proficiency in fitness testing skills with 50% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using all the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of fitness testing with 70% accuracy.

KIN160 C - Badminton

- Upon completion of this course the student will be able to demonstrate knowledge of Badminton with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of badminton with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN163 C - Table Tennis

- Upon completion of the course the student will be able to demonstrate proficiency in table tennis skills with 50% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of the rules of table tennis with 70% accuracy.

KIN164 C - Bowling - Beginning

- Upon completion of this course the student will be able to demonstrate knowledge of bowling game with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of bowling with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN165 C - Bowling - Intermediate

- Upon completion of this course the student will be able to measure and assess his/her fitness level using the health related components of fitness and show 5% improvement.
- Upon completion of this course, the student will be able to demonstrate knowledge of the game of bowling with 75% accuracy.
- Upon completion of this course, the student will be able to demonstrate proficiency in the intermediate skills of bowling with 70% accuracy.

KIN166 C - Bowling - Advanced

- Upon completion of this course the student will be able to demonstrate knowledge of bowling game with 80% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of bowling with 75% accuracy.
- Upon completion of this course the student will be able to measure and assess his/her fitness level using the health related physical fitness with 80% accuracy.

KIN167 C - Gymnastics-Tumbling

- Upon completion of this course the student will be able to measure and assess their fitness level using a health related fitness component with 5% improvement.
- Upon completion of this course the student will be able to perform the basic tumbling stunts of forward and backward roll with 10% better accuracy as measured by instructor's pre and post tests.
- Upon completion of this course the student will be able to show an improved performance in the sport of gymnastics/tumbling with 10% improvement as measured by a final exam.

KIN168 C - Tennis - Beginning

- Upon completion of this course the student will be able to demonstrate knowledge of tennis with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of tennis with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN169 C - Tennis - Intermediate

- Upon completion of this course the student will be able to demonstrate proficiency in the skills of tennis with 70% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN170 C - Tennis-Advanced

- Upon completion of this course the student will be able to demonstrate proficiency in the skills of tennis with 75% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN171 C - Golf-Beginning

- Upon completion of this course the student will be able to demonstrate knowledge of golf with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of golf with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their golf skills level using the skills related physical components with 5% improvement.

KIN172 C - Golf-Intermediate

- Upon completion of this course the student will be able to demonstrate knowledge of specialized golf skills with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of golf with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related fitness components with 5% accuracy.

KIN173 C - Golf-Advanced

- Upon completion of this course the student will be able to demonstrate knowledge of specialized golf skills with 75% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of golf with 70% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related fitness components with 5% accuracy.

KIN174 C - Pickleball-Beginning

- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of Pickleball with 60% accuracy.
- Upon completion of this course the student will be able to demonstrate knowledge of Pickleball with 70% accuracy.

KIN175 C - Pickleball-Intermediate

- Upon completion of this course the student will be able to demonstrate knowledge of Pickleball with 80% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of Pickleball with 70% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement

KIN176 C - Pickleball-Advanced

- Upon completion of this course the student will be able to demonstrate knowledge of Pickleball with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of Pickleball with 85% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN180 C - Futsal - Beginning

- Upon completion of the course the student will be able to demonstrate proficiency in futsal skills with 50% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of rules of futsal with 70% accuracy.

KIN181 C - Futsal - Intermediate

- Upon completion of the course the student will be able to demonstrate proficiency in futsal skills with 60% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of rules of futsal with 75% accuracy.

KIN182 C - Futsal - Advanced

- Upon completion of the course the student will be able to demonstrate proficiency in futsal skills with 70% accuracy.
- Upon completion of this course the student will be able measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate knowledge of rules of futsal with 80% accuracy.

KIN183 C - Volleyball - Beginning

- Upon completion of this course the student will be able to demonstrate knowledge of volleyball with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of volleyball with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN184 C - Volleyball - Intermediate

- Upon completion of this course the student will be able to demonstrate knowledge of intermediate volleyball with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of intermediate volleyball with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN185 C - Volleyball - Advanced

- Upon completion of this course the student will be able to demonstrate knowledge of intermediate volleyball with 75% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of advance volleyball with 70% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN186 C - Beach Volleyball - Beginning

- Upon completion of Sand Volleyball Beginning, the student will be able to demonstrate knowledge of beach volleyball rules with 70% accuracy.

- Upon completion of Sand Volleyball Beginning, the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of beach volleyball with 60% accuracy.

KIN187 C - Beach Volleyball - Intermediate

- Upon completion of Sand Volleyball - Intermediate/Advanced, the student will be able to officiate a sand volleyball game with current acceptable professional standards.
- Upon completion of Sand Volleyball - Intermediate/Advanced, the student will be able to perform sand volleyball skills (passing, serving, setting, hitting, and blocking) at a 70% proficiency level in game play.
- Upon successful completion of Sand Volleyball - Intermediate/Advanced, the student will be able to demonstrate knowledge of NCAA Sand Volleyball rules.

KIN188 C - Beach Volleyball - Advanced

- Upon completion of class, the student will be able to officiate a beach volleyball game with current acceptable professional standards.
- Upon completion of class, the student will be able to perform beach volleyball skills (passing, serving, setting, hitting, and blocking) at a 80% proficiency level in game play.
- Upon successful completion of class, the student will be able to demonstrate knowledge of NCAA Beach Volleyball rules.

KIN189 C - Basketball - Beginning

- Upon completion of the course students will demonstrate basic fundamental basketball skills, such as: dribbling, passing and shooting with 70% accuracy in a skills test.
- Upon completion of the course students will understand the rules of the game of basketball with 70% accuracy.
- Upon completion of the course the students will be able to assess their growth in a health related component of fitness with 5% improvement.

KIN190 C - Basketball - Intermediate

- Upon completion of this course a student will be able to measure and assess their fitness level using a health related fitness component with 5% improvement.
- Upon completion of this course a student will demonstrate proficiency at the fundamental skills; i.e. dribbling, passing, shooting, footwork, with 70% accuracy as measured by a skills observation test conducted by the instructor.
- Upon completion of this course a student will have a better understanding of the rules of the game of basketball as evidenced by 70% accuracy on an exam
- Upon completion of this course a student will have a better understanding of the rules of the game of basketball as evidenced by 70% accuracy on an exam.

KIN191 C - Basketball - Advanced

- Upon completion of this course a student will be able to measure and assess their fitness level using a health related fitness component with 5% improvement.
- Upon completion of this course a student will demonstrate proficiency at the fundamental skills; i.e. dribbling, passing, shooting, footwork, with 80% accuracy as measured by a skills observation test conducted by the instructor.
- Upon completion of this course a student will have a better understanding of the rules of the game of basketball as evidenced by 70% accuracy on an exam.

KIN192 C - Water Polo

- Upon completion of this course the student will be able to demonstrate knowledge of water polo with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of water polo with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN193 C - Soccer

- Upon completion of this course the student will be able to demonstrate knowledge of soccer with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of soccer with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related fitness components with 5% improvement.

KIN194 C - Softball

- Upon completion of this course the student will be able to demonstrate knowledge of softball with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of softball with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN195 C - Baseball

- Upon completion of this course the student will be able to demonstrate knowledge of baseball with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate knowledge of baseball with 70% accuracy..
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of baseball with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness and/or skill level using the health related physical fitness components and/or skills related fitness components with 5% improvement.

KIN196 C - Soccer-Men

- Upon completion of this course the student will be able to demonstrate knowledge of soccer with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of soccer with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN197 C - Flag Football

- Upon completion of this course the student will be able to demonstrate knowledge of Flag Football with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of Flag Football with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness and/or skill level using the health related physical fitness components and/or skills related fitness components with 5% improvement.

KIN198 C - Athletic Weight Training

- Upon completion of this course the student will be able to demonstrate proficiency in five basic methods of training for athletes. (Breadth of knowledge and experiences from physical education)
- Upon completion of this course the student will be able to describe orally in class discussion three physiological and/or psychological benefits they have received through their participation in class. (Breadth of knowledge and experiences from physical education, Possess skills for life long learning and health)
- Upon completion of this course the student will be able to measure and assess their fitness level using the Health Related Physical Fitness Components and the corresponding assessment test with 80 % accuracy. (Breadth of knowledge and experiences from physical education, Possess skills for life long learning and health)

KIN199 C - Conditioning for Athletes

- Upon completion of this course the student will be able to demonstrate knowledge of Weight Training Safety with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of Conditioning for Athletes with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness and/or skill level using the health related physical fitness components and/or skills related fitness components with 5% improvement.

KIN202 C - Intercollegiate Baseball

- Upon completion of this course the student will be able to demonstrate knowledge of baseball with 70% accuracy
- Upon completion of this course the student will be able to demonstrate knowledge of baseball with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of baseball with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness and/or skill level using the health related physical fitness components and/or skills related fitness components with 5% improvement.

KIN203 C - Intercollegiate Basketball-Men

- Upon completion of the course the student will understand the eligibility standards required for participating in an intercollegiate program and be able to recall them with 70% accuracy.
- Upon completion of the course the students will be able to demonstrate advanced fundamentals skills in the game of basketball, such as appropriate movement with and/or without the ball - i.e. screening & use of screens, V-cuts, L-cuts, diagonal cuts, curl cuts, duck under cuts, jump stops, cross over dribbles, reverse pivot dribbles, behind the back dribbles with 70% accuracy.

KIN204 C - Intercollegiate Basketball-Wom

- Upon completion of this course the student will be able to demonstrate knowledge of intercollegiate basketball with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of intercollegiate basketball with 70% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness component with 5% improvement.

KIN205 C - Intercollegiate Bch VB-Women

- Upon completion of this course the student will be able to demonstrate knowledge of intercollegiate volleyball with 70% accuracy.

- Upon completion of this course the student will be able to demonstrate proficiency in the skills of intercollegiate volleyball with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN206 C - Intercollegiate Golf-Men

- Upon completion of this course the student will be able to demonstrate knowledge of golf with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of golf with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related fitness components with 5% improvement.

KIN207 C - Intercollegiate Golf-Women

- Upon completion of this course the student will be able to demonstrate knowledge of golf with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of golf with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related fitness components with 5% improvement.

KIN210 C - Intercollegiate Soccer-Men

- Upon completion of this course the student will be able to demonstrate knowledge of soccer with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of soccer with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN211 C - Intercollegiate Soccer-Women

- Upon completion of this course the student will be able to demonstrate knowledge of soccer with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of soccer with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN212 C - Intercollegiate Softball-Women

- Upon completion of this course the student will be able to demonstrate knowledge of softball with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of softball with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN213 C - Intercollegiate Swimming-Men

- Upon completion of this course the student will be able to demonstrate knowledge of intercollegiate swimming - men with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of intercollegiate swimming - men with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN214 C - Intercollegiate Swimming-Women

- Upon completion of this course the student will be able to demonstrate knowledge of intercollegiate swimming - women with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of intercollegiate swimming - women with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN215 C - Intercollegiate Tennis

- Upon completion of this course the student will be able to demonstrate knowledge of intercollegiate tennis with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of intercollegiate tennis with 60% accuracy.
- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN217 C - Intercollegiate Volleyball-Wom

- Upon completion of this course the student will be able to demonstrate knowledge of intercollegiate volleyball with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of intercollegiate volleyball with 60% accuracy.

- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN218 C - Intercollegiate Water Polo-Wom

- Upon completion of this course the student will be able to demonstrate knowledge of intercollegiate water polo with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of intercollegiate water polo with 60% accuracy.

- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN219 C - Intercollegiate Water Polo-Men

- Upon completion of this course the student will be able to demonstrate knowledge of intercollegiate water polo with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of intercollegiate water polo with 60% accuracy.

- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN222 C - Intercollegiate Badminton-Women

- Upon completion of this course the student will be able to demonstrate knowledge of intercollegiate badminton with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in the skills of intercollegiate badminton with 60% accuracy.

- Upon completion of this course the student will be able to measure and assess their fitness level using the health related physical fitness components with 5% improvement.

KIN230 C - Introduction to Kinesiology

- Upon completion of this course a student will be able to identify the many factors to consider in selecting a career with 70% accuracy.
- Upon completion of this course a student will be able to identify various occupations within the field of Kinesiology with 70% accuracy.
- Upon completion of this course a student will successfully create a personal plan to help meet the education, certification, and experience required to achieve their career goal with 70% accuracy.

KIN231 C - Elementary School Mvmt-KIN

- The student will successfully create an age appropriate Physical Education lesson plan.
- Upon completion of this course students will be able to state and define the 6 skill related and 5 health related physical fitness components.
- Upon completion of this course, students will be able to define a physically educated person w/ 70% access.

KIN235 C - First Aid, CPR and Emergencies

- Upon completion of the course, the students will be able to accurately demonstrate CPR skills on an Adult, Child, and Infant who has gone into cardiac arrest.
- Upon completion of this course, the student will be able to evaluate the injuries, and apply principles of bleeding control, bandaging, and splinting.
- Upon completion of this course, the student will be able to exhibit a comprehensive knowledge of advanced first aid theories and techniques.

KIN236 C - Athletic Injuries-Prevention

- Upon completion of the course, the student will be able to correctly tape an ankle within a two minute time limit, and adequately perform the optional taping skills taught in the laboratory portion of the course.
- Upon completion of the course, the student will be able to recognize the symptoms and characteristics of concussions.
- Upon completion of this course, the student will be able to form a theoretical framework of athletic training principles for later incorporation into more advanced course work, which includes demonstrating a basic understanding of the principles governing evaluation, treatment, and rehabilitation of athletic injuries.

KIN240 C - Sports Officiating

- Upon completion of this course the student will be able to demonstrate knowledge of the rules and mechanics of basketball, baseball, softball and volleyball with 70% accuracy.

KIN241 C - Theory of Coaching Basketball

- Upon completion of the course students will be able to identify the at least 3 systems of defense used in the game by 70% accuracy level.
- Upon completion of the course the student will be knowledge of the rules, scoring, and terminology used in the game of basketball with 75% accuracy.

KIN242 C - Theory of Coaching Baseball

- Upon completion of this course the student will be able to demonstrate knowledge of the rules of baseball with 70% accuracy.
- Upon completion of this course the student will be able to demonstrate proficiency in teaching the techniques, skills and strategies of baseball with 60% accuracy.

KIN244 C - Human Performance

- Upon completion of this course a student will be able to identify and define the Health Related Components of Fitness with 70% accuracy.
- Upon completion of this course a student will be able to identify the motor skill related components of physical fitness with 70% accuracy.
- Upon completion of this course a student will successfully create a nutrition project to evaluate their individual consumption of Macro and Micro Nutrients, and be able to understand the importance of proper nutritional habits and their role in our overall health.

KIN247 C - Sports Management

- Upon completion of this course, each student will identify opportunities available in the field of Sports Management and have 70% accuracy of knowledge needed to be successful in the Sports Management Area.
- Upon completion students will identify 10 Colleges or Universities, that offer Sports Management as a major, and understand requirements needed to get a degree in Sports Management.
- Upon completion students will identify the qualities needed to manage and needed protocol to be successful in the area of Sports Management with 70% accuracy
- Upon completion students will identify the qualities needed to manage and needed protocol to be successful in the area of Sports Management with 70% accuracy.

KIN248 C - Psychology of Sport

- Upon completion of this course the student will be able to demonstrate knowledge of psychology of sport information through testing with 70 % success rate.

KIN249 C - Sport and United States Societ

- Upon completion of this course a student will be able to compare and contrast informal, player-controlled sports versus organized, adult-controlled sports with 70% accuracy.
- Upon completion of this course a student will be able to identify the progression of sports over 3 time periods with 70% accuracy.
- Upon completion of this course a student will successfully discuss the pros and cons of a controversial issue in sports.

KIN255 C - Lifeguarding

- Demonstrate General Procedures for a Water Emergency
- Demonstrate the use of Rescue Equipment.
- Recognizing and Caring for Breathing Emergencies.

KIN256 C - Water Safety Instruction

- Upon completion of the course the student will demonstrate American Red Cross stroke performance skills
- Upon completion of the course the student will develop and teach a 5 minute swim lesson.
- Upon completion of the course the student will maintain a combination of floating and sculling positions on their back for one minute in deep water.

KIN270 C - Nutrition Sci and Application

- Students will calculate appropriate energy nutrient intake for fats, carbohydrates, and protein based on body weight with 70% accuracy or better.
- Students will evaluate beverages and discern their appropriate use for pre-, during-, and post-physical activity with 80% accuracy.
- Students will evaluate personal nutritional status by applying nutrient composition calculations to a personal diet history. Project will include comparison evaluation of 3 day dietary intake to the US Dietary Reference intakes. Students will achieve a 70% or better proficiency evaluation.

KIN271 C - Movement Anatomy

- Upon completion of this course, student will analyze movement and identify proper bone and muscle structures involved in movement with 70% accuracy.
- Upon completion of this course, student will design movement program to target major muscle groups with 70% or higher accuracy.

KIN272 C - Strength and Conditioning

- Upon completion of this course, student will describe the anatomical and physiological changes which occur with strength training with 70% accuracy.
- Upon completion of this course, student will integrate the principles of strength training into an effective, personalized work-out program with 70% or higher accuracy.

KIN273 C - Exercise Physiology

- Upon completion of this course, student will describe the metabolic systems that generate energy for muscle action with at least 70% accuracy.

- Upon completion of this course, student will differentiate how specific types of aerobic and anaerobic training can improve performance with at least 70% accuracy.

KIN274 C - Exercise Testing and Prescript

- Upon completion of the course, student will demonstrate competency in resting and exercise blood pressure assessment with 70% accuracy.

- Upon completion of the course, student will demonstrate competency in resting and exercise blood pressure assessment with 70% accuracy..

- Upon completion of this course, student will evaluate results of various fitness tests and interpret results to established norms using the metric system with at least 70% accuracy.

KIN280 C - Introduction to Public Health

- Upon completion of this course, student will demonstrate the use of basic epidemiological methods, such as the analysis of rates, and the definition of cases, population at risk, risk factors, incidence, prevalence, morbidity and mortality with at least 70% accuracy.

- Upon completion of this course, student will identify different public health disciplines, professions and organizations with at least 70% accuracy.

- Upon completion of this course, student will list strategies for prevention, detection and control of infectious and chronic disease with at least 70% accuracy.

KIN281 C - Health and Social Justice

- Upon completion of this course, student will analyze case studies of prevalent health problems to compare individual behavior change approaches versus public health approaches and make the distinction with at least 70% accuracy.

- Upon completion of this course, student will asses and analyze public health issue using social/behavioral theoretical framework.

- Upon completion of this course, student will asses and analyze public health issue using social/behavioral theoretical framework.

- Upon completion of this course, student will demonstrate an advocacy skill, such as preparing a policy brief, giving public testimony, community outreach, and/or writing a letter to an editor or politician with at least 70% competency level.

KIN283 C - Women's Health

- Upon completion of this course, student will identify issues that historically have affected the health of women from disadvantaged populations e.g., African Americans, Latinas, Native Americans with at least 70% accuracy.

- Upon completion of this course, students will distinguish between healthy and unhealthy sexual practices and identify diseases that are transmitted sexually with at least 70% accuracy.

- Upon completion of this course, students will identify diseases and conditions that women may contend with over the life cycle, including skin conditions, autoimmune diseases, neurological disorders, kidney and urinary tract/bladder disorders, muscle and bone disease, and diabetes with at least 70% accuracy.

KIN284 C - Contemporary Personal Health

- Upon completion of this course students will be able to describe contemporary personal health issues as the relate to: health & wellness, trends in the health field, addiction, stress management, aging process, substance abuse, relationships, and diet & nutrition with 70% accuracy.

- Upon completion of this course students will be able to discuss myths and misconceptions as they pertain to personal health issues with 70% accuracy

- Upon completion of this course students will be able to discuss myths and misconceptions as they pertain to personal health issues with 70% accuracy.

- Upon completion of this course the students will be able to identify core concepts of contemporary personal health issues with 70% accuracy.

KIN285 C - Global and Community Health

- Upon completion of this course, students will describe the health impacts of globalization locally with at least 70% accuracy.

- Upon completion of this course, students will evaluate global health organizations and their programs with at least 70% competency.

- Upon completion of this course, students will identify factors that influence and determine global health and inequalities among populations and nations with at least 70% accuracy.

KIN298 C - Kinesiology Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

KIN299 C - Kinesiology-Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

Science/Engineering/Math Div.
Astronomy Dept. CSLO ASTR117HC - Honors Astronomy Lab <ul style="list-style-type: none"> • Students should be able to describe how a modern telescope is used to look at the sky with accuracy of 60%. • Students should be able to describe how the Doppler Effect is used to determine relative speed of celestial objects with an accuracy of 60%. • Students should be able to describe Kepler's three laws of planetary motion with an accuracy of 60%. • Students should be able to describe the use of spectroscopy and a spectrograph in astronomy with 60% accuracy.
Biology Dept. CSLO BIOL101 C - General Biology <ul style="list-style-type: none"> • Develop problem solving, analytical, and critical thinking skills that provide basic understanding and appreciation of the scientific method. • Understand the major concepts of biology, and how these concepts relate to basic physical and chemical properties. BIOL101HC - Honors General Biology <ul style="list-style-type: none"> • Develop problem solving, analytical, and critical thinking skills that provide basic understanding and appreciation of the scientific method. • Understand the major concepts of biology, and how these concepts relate to basic physical and chemical properties. BIOL102 C - Human Biology <ul style="list-style-type: none"> • Understand the basic chemistry and basic cellular biology of the human body. • Understand the basic anatomy and physiology of the major human body systems. • Understand the basic principles of ecology and evolutionary biology as they apply to human and environmental health. BIOL103 C - Environmental Science <ul style="list-style-type: none"> • Upon successful completion of the course, students should be able to understand basic environmental systems and processes, particularly how they impact human lives. • Upon successful completion of the course, students will be able to recognize the impact that human activities have on environmental systems and processes. BIOL107 C - Nutrition & World Food Issues <ul style="list-style-type: none"> • Upon completion of the course, students will gain the knowledge of basic anatomical/physiological principles of nutrition and its affect on health, food production and distribution on a world-wide basis with 70% accuracy. • Using multiple testing methods, the student will be able to demonstrate an understanding of new and sometimes controversial issues in nutrition and health with a 70% accuracy or better. • Using multiple testing methods, the student will be able to discriminate between wise and unwise nutritional choices, analyze dietary intake and plan an optimal diet with at least a 70% accuracy. BIOL122 C - Marine Biology <ul style="list-style-type: none"> • Develop problem solving, critical thinking, and analytical skills that will provide basic understanding and appreciation of the scientific method. • Gain an appreciation for marine biology and understand that issues related to this field are vital for everyday life and society. In addition, develop a foundation for lifelong learning and appreciation for biology in general, and societal issues involving the biological sciences. • Obtain basic knowledge and understanding of marine organisms and marine ecology. In addition, obtain basic knowledge and understanding of the physical and chemical properties of the marine environment, and that these biological and abiotic components are interconnected. BIOL125 C - Island Biology <ul style="list-style-type: none"> • Develop problem solving, critical thinking, and analytical skills that will provide basic understanding and appreciation of the scientific method. • Gain an appreciation for island biology and understand the special requirements of island life conservation. In addition, develop a foundation for lifelong learning and appreciation for biology in general, and societal issues involving the biological sciences. • Obtain basic knowledge and understanding of island habitats, island ecology, and island diversity. In addition, obtain basic knowledge and understanding of the unique effects of island habitats on evolutionary processes.

BIOL160 C - Integrated Medical Science

- Students will understand the relationship between the anatomy and physiology of all major organ systems, and relevant medical and clinical issues.
- Students will understand general chemical, molecular, and cellular structure of the human body with at least 60% accuracy.

BIOL174 C - Biology of Cells and Tissues

- To demonstrate knowledge of scientific investigation and experimentation by successfully designing and executing a scientific study.
- To gain higher levels of biology self-efficacy (in this case, to feel more confident as biology majors).
- To relate the basic principles of chemistry, biochemistry, and thermodynamics to biological form and function at the molecular and cellular levels.
- To understand and describe the fundamental principles of Mendelian genetics, and the molecular basis for heredity and gene expression including DNA structure and replication and protein synthesis.
- To use the appropriate laboratory techniques to carry out specific laboratory exercises and to complete an independent scientific research project.

BIOL175 C - Evolution and Biodiversity

- Recognize and describe the major lineages (domains, phyla, divisions, classes) of both single-celled and multicellular organisms, and identify basic features, habitats, diets, and economic/medical/agricultural significance of each lineage.
- Relate biological concepts and theories to practical laboratory experiences and apply concepts learned from assigned readings, lectures, and discussions to specific laboratory activities.
- Understand and apply principles of evolution by natural selection.

BIOL210 C - Anatomy and Physiology

- The student will be able to identify the major tissues of the body, and describe the anatomy of all major organs of the human body. Context In a laboratory setting, the student will study anatomical models of organs and organ systems, look at histological slides, participate in animal dissections, and perform experiments that demonstrate key physiological concepts. Standard: Laboratory quizzes and 4-5 timed Laboratory practical exams will be given where students are expected to identify and write in answers regarding the anatomy of each major organ system, including tissue histology and some physiological concepts. Students must accumulate an average of no less than 70% for these exams. Cypress College ILO: Will possess a breadth of knowledge and experiences from the areas of the humanities and arts; the natural sciences and mathematics; the social sciences; and physical education. Will possess skills for life-long learning in oral and written communication; human adaptability and health; critical thinking, including deductive/inductive reasoning, problem-solving, and quantitative/qualitative reasoning; and information competency.
- The student will understand the relationship between the anatomy and physiology of all major organ systems. Context: Students will hear a lecture explaining the structure and function of each major organ system, and how they contribute to the maintenance of homeostasis within the body. In a laboratory setting, the students will use dissections, anatomical models and laboratory experiments to establish a tangible connection between the organs of each organ system. Standard: The student will demonstrate their understanding of this concept by taking written examinations that include multiple-choice, matching, and short answer questions. These examinations will test for core anatomy and physiology concepts and their ability to apply and articulate their comprehension of physiological functions, anatomical structure, and how all major organ systems act together to maintain homeostasis in the human body. Students must accumulate an average of no less than 70% for these exams. Cypress College ILO: Will possess a breadth of knowledge and experiences from the areas of the humanities and arts; the natural sciences and mathematics; the social sciences; and physical education. Will possess skills for life-long learning in oral and written communication; human adaptability and health; critical thinking, including deductive/inductive reasoning, problem-solving, and quantitative/qualitative reasoning; and information competency.

BIOL220 C - Medical Microbiology

- In laboratory activities corresponding to lecture topics, students will examine samples representing the distribution of various types of microorganisms in their immediate environment, and will learn to classify and identify the microorganisms using staining techniques and light microscopy.
- Students will be able to compare and contrast the key characteristics of various groups of infectious microorganisms including bacteria, viruses, fungi, and parasites, and classify them by the mode of transmission, pathogenesis, and the methods of diagnosis, control, and treatment, as described in a lecture.
- Students will demonstrate an understanding of the classification, and the structural and functional anatomy of the typical prokaryotic cell such as bacteria, and other microorganisms such as viruses, fungi, and parasites, as described in a lecture.

BIOL231 C - General Human Anatomy

- Demonstrate an understanding of all the major areas of anatomy: ontogeny, microscopic anatomy, growth anatomy, systemic anatomy, regional anatomy pathological anatomy, and comparative anatomy. Context: Students will hear a lecture explaining the structure and function of each major organ system. Each organ system will be explored during lecture from the Cellular level of organization all the way up to the organism level of organization, including the organ systems ontogeny and pathological anatomy.
- Describe the location, origin, function, and general features of all the mammalian organ systems. Context In a laboratory setting, the student will study anatomical models of organs and organ systems, look at histological slides, participate in animal dissections.

BIOL241 C - General Human Physiology

- On essay and multiple choice, matching and true/false exams, in both the lecture and laboratory setting, the student will be able to answer questions on the functional interrelationships between all major functional tissues with at least a 70% accuracy.
- Outcome:Labs in which the instructor provides extensive individualized feedback/evaluation on a regular basis. (e.g. problem sets, scientific experiments, vocational skills, lab reports)

- Outcome: Upon completion of the course, students will gain the knowledge of the basic chemical principles that underlie the functions of all cells and tissues with 70% accuracy.

BIOL276 C - Ecology and Physiology

- Students will be able to conduct an independent research project within the field of organismal physiology or community ecology. This project will be modeled after authentic research experiences and will involve a major written report in the scientific format.
- Students will be able to identify and explain key concepts in animal and plant physiology.
- Students will be able to identify, explain, contrast, and give examples of the major types of interactions (herbivory, predation, competition, symbioses) among different species in natural communities.

BIOL277 C - Genetics

- In a lecture setting, after hearing a lecture, taking and studying notes, completing the assigned reading and solving the assigned problem set, student will understand the principles and concepts of evolutionary genetics (population genetics, speciation, evolution of new genes).
- In a lecture setting, after hearing a lecture, taking and studying notes, completing the assigned reading and solving the assigned problem set, students will understand the principles and concepts of classical Mendelian genetics (monohybrid and dihybrid inheritance).
- In a lecture setting, after hearing a lecture, taking and studying notes, completing the assigned reading and solving the assigned problem set, students will understand the principles and concepts of molecular genetics (DNA structure and replication, transcription and translation, regulation of gene expression, types of mutation and mutation repair).

BIOL278 C - Molecular Biology

- Upon completion of the course students will be able to demonstrate a conceptual understanding of the processes and events underlying the biosynthesis of nucleic acids, proteins, and other biomolecules and the types of modifications involved in creating functional products within the cell with 70% accuracy.
- Upon completion of the course, students will be able to demonstrate a conceptual understanding of the control of gene expression in prokaryotes and eukaryotes with 70% accuracy. Part of this learning outcome will require a fundamental understanding of the role of signal transduction pathways in modulating gene expression. Embedded in this learning outcome is an understanding of how mutations in the control elements of gene expression and signal transduction pathways lead to abnormal cell division and differentiation and, ultimately, cancer.
- Upon completion of the course, students will be able to demonstrate a conceptual understanding of the structure of prokaryotic and eukaryotic genomes and how genes are organized at the molecular level with 70% accuracy. Included in this is an understanding of viral life cycles and the role that viruses play in shaping the genomes of prokaryotic and eukaryotic organisms.
- Upon completion of the course, students will be able to demonstrate a conceptual understanding of the techniques and experimental designs used in classical genetics and modern molecular genetics with 70% accuracy.

BIOL298 C - Biology Seminar

- To be determined based on the seminar topics and subject matter.

BIOL299 C - Independent Study for Biology

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

BIOLNO1 C - Supervised Tutoring: Science and Engineering

- Upon successful completion of this course students will be able to report progress in selected areas of individualized units of study.

Chemistry Dept.

CSLO

CHEM060 C - Chemistry Review

- Students will be able to attend 80% of all class sessions to develop problem solving skills.
- Students will be able to interpret chemical problems and translate them into mathematical operations with 80% accuracy.
- Students will be able to apply scientific method and show scientific literacy.

CHEM100 C - Chemistry for Daily Life

- Students will be able to name compounds and balance chemical reactions.
- Students will be able to recognize the periodicity, names of common elements and label the parts of the periodic table.

CHEM101 C - Chem for Health Sci Majors I

- Students will understand proper chemistry laboratory techniques and safety procedures with 65% accuracy.
- Students will apply the principles of stoichiometry to solve problems in a quantitative manner with 65% accuracy.
- Students will be able to name compounds given a chemical formula, and determine the chemical formula given the name of a chemical, with 65% accuracy.

CHEM103 C - Chemistry and Society

- Students will demonstrate scientific literacy based on the fundamentals of chemistry with 65% accuracy.
- Students will apply the fundamentals of chemistry to real world applications/situations with 65% accuracy.

CHEM104 C - Physical Science for Teachers

- Students will apply the fundamentals of physics to real world applications/situations with 65% accuracy.
- Students will apply the fundamentals of chemistry to real world applications/situations with 65% accuracy.
- Students will understand proper chemistry laboratory techniques and safety procedures with 65% accuracy.

CHEM107 C - Preparation for General Chem

- On a short quiz, successfully solve quantitative problems with 65% accuracy.
- Given the names of fundamental compounds and elements, write the symbols and formulas accurately and vice versa with a 65% accuracy.
- Successfully apply chemical principles to predict properties and reactivities with a 65% accuracy.
- Students will understand proper chemistry laboratory techniques and safety procedures with a 65% accuracy.

CHEM111AC - General Chemistry I

- Given the reactants or products, students will be able to complete, balance and classify a reaction, as well as name all the components of the reaction with 70% accuracy.
- Given example experimental data, students will be able to solve quantitative chemistry problems and demonstrate reasoning skills with 70% accuracy.
- Given a periodic table, students will be able to predict, explain and model chemical and physical properties, processes and trends with 70% accuracy.

CHEM111BC - General Chemistry II

- Given experimental data, students will be able to understand the concept of chemical kinetics with a 65% accuracy.
- Given a reversible condition, students will be able to understand the equilibrium state with a 65% accuracy.
- Students will understand proper chemistry laboratory techniques and safety procedures with a 65% accuracy.

CHEM112 C - General Chemistry II for Engineers

- Given experimental data, students will be able to understand the concept of chemical kinetics with a 65% accuracy.
- Given a reversible condition, students will be able to understand the equilibrium state with a 65% accuracy.

CHEM201 C - Chem for Health Sci Majors II

- Given the molecular structure of an organic molecule, students will be able to name the molecule with 66% accuracy.
- Given an organic molecule, students will be able to identify the functional group and its chemical properties with 66% accuracy.
- Students will understand proper chemistry laboratory techniques and safety procedures with 66% accuracy.

CHEM211 BC - Organic Chemistry II

- Given a starting material, students will be able to correctly determine a practical synthetic route to a desired product with 65% accuracy
- Using molecular model kits, students will identify various physical and chemical properties based on these representations with 65% accuracy
- Given a representative situation, students will be able to solve organic chemistry problems and demonstrate reasoning skills with 65% accuracy
- Students will be able to plan and understand laboratory techniques and safety procedures with 65% accuracy.
- Students will be able to identify chemical glassware and other items related to organic synthesis, and be able to identify its use with 65% accuracy

CHEM211AC - Organic Chemistry I

- Given a starting material, students will be able to correctly determine a practical synthetic route to a desired product with 65% accuracy.
- Using molecular model kits, students will identify various physical and chemical properties based on these representations with 65% accuracy.
- Given a representative situation, students will be able to solve organic chemistry problems and demonstrate reasoning skills with 65% accuracy.
- Students will be able to plan and understand laboratory techniques and safety procedures with 65% accuracy.
- Students will be able to identify chemical glassware and other items related to organic synthesis, and be able to identify its use with 65% accuracy.

CHEM211BC - Organic Chemistry II

- Given a starting material, students will be able to correctly determine a practical synthetic route to a desired product with 65% accuracy
- Using molecular model kits, students will identify various physical and chemical properties based on these representations with 65% accuracy
- Given a representative situation, students will be able to solve organic chemistry problems and demonstrate reasoning skills with 65% accuracy
- Students will be able to plan and understand laboratory techniques and safety procedures with 65% accuracy.
- Students will be able to identify chemical glassware and other items related to organic synthesis, and be able to identify its use with 65% accuracy

CHEM298 C - Chemistry Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic t

Computer Science Dept.**CSLO****CSCI123 C - Intro to Prog Concepts in C++**

- At the end of the course, the student will be able to organize a problem specification into a well-defined and documented C++ program with 70% accuracy.
- The student will be able to effectively utilize C++ control structures, data types, overloaded functions, operator overloads, abstract data types, inheritance, and class and function templates in authoring C++ code in a clear, maintainable, rapid executing manner in authoring their programs with 70% accuracy.
- Through the use of classroom computers, the student will be able to fully utilize a code debugger to expeditiously ?debug? their programs with 70% accuracy.

CSCI133 C - Data Structures in C++

- At the end of the course, the student will be able to create and organize a problem specification using aggregate data structures into a well-documented algorithm. Then will be able to recognize and identify the data structures that are associated with various programming problems with 70% accuracy.
- The student will be able to write C++ code that implements an algorithm using aggregate data structures. They will be able to design algorithms and write code that illustrates top down design, step-wise refinement, and data with abstraction using abstract data types (ADT) with 70% accuracy. These algorithms will include stacks, queues, trees, and linked lists. They will develop algorithms and author C++ programs that sort, hash, and search complex data structures.
- Through the use of a class project made up of 3 to 4 students per team (subject chosen by the team with instructor approval), the students will utilize programming and data structure skills to research and present their results to the class at the end of the semester (Word, PowerPoint and Video formats are encouraged). This encourages teamwork as will be required in the ?real world of engineering professionals? and provides guidance in the students research and presentation skills with 70% accuracy.

Engineering Dept.**CSLO****ENGR102 C - Engineering Design Graphics**

- Develop an accurate two dimensional drawing of a simple object using precision drafting tools in CAD software
- Draw the three orthographic projections of a simple part using hand tools
- Use CAD software to create, revise, save, and print files of drawings

ENGR110 C - Introduction to Engineering

- At the end of the course, the student will be able to appreciate the rewards and opportunities of an Engineering career; describe engineering job functions, employment opportunities, and engineering as a profession with 70% accuracy.
- At the end of the course, the student will be able to describe the role of math, statistics, computer, economics and entrepreneurship in engineering and apply time management skills, group study habit to become a successful student and ultimately graduate with an engineering degree with 70% accuracy.
- At the end of the course, the student will be able to understand different approaches to engineering design and product development with 70% accuracy.

ENGR201 C - Statics

- Students will be able to analyze the rigid bodies and shapes in order to determine the centroid and moment of inertia with 60% accuracy.
- Students will be able to draw a free body diagram and solve simple problems involving the equilibrium of an object in 2-D and 3-D with 60% accuracy.
- Students will be able to draw and analyze shear and moment diagrams for statically determinant beams with 60% accuracy.

ENGR205 C - Advanced 3D Solid Mod/Simulati

- At the end of the course, the student will be able to develop an accurate 3D drawing of a part or assembly using a 3D solid modeling software with 60% accuracy.
- At the end of the course, the student will be able to develop an assembly of a model with use of existing parts through application of mates using a 3D solid modeling software with 60% accuracy.
- At the end of the course, the student will be able to do 3D solid modeling and solid editing using a 3D solid modeling software with 60% accuracy.
- At the end of the course, the student will be able to draw 3D surfaces such as wedge, cone, sphere, pyramid, torus, etc. using a 3D solid modeling software with 60% accuracy .

ENGR210 C - Electric Circuits

- Upon successful completion of the course, the student will be able to analyze and interpret data and compare results with theoretical calculations with 70% accuracy.
- Upon successful completion of the course, the student will be able to differentiate between different techniques and choose the appropriate technique to solve a problem involving linear circuits with 60% accuracy.
- Upon successful completion of the course, the student will be able to translate a circuit diagram to its governing equations and solve these equations with 60% accuracy.
- Upon successful completion of the course, the student will be able to use multiple tools to measure currents and voltages in various circuits and evaluate the data with 70% accuracy.

ENGR220 C - Programming/Prob Solv in MATLA

- Upon successful completion of the course, the student will be able to create one and two dimensional arrays and perform mathematical operations on them with 60% accuracy.
- Upon successful completion of the course, the student will be able to create programming codes with use of conditional, relational and logical operators and create 2D and 3D plots with 60% accuracy.
- Upon successful completion of the course, the student will be able to solve problems through application of numerical analysis or symbolic math with 60% accuracy.

ENGR299 C - Engineering Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

Engineering Technology Dept.**CSLO****ENGT103 C - Introduction to Embedded Systems**

- Comprehensive understanding of automated systems in the field of mechatronics that includes terminology, components, standards and related theories.
- Develop creative and innovative mechatronic solutions for simple problems, anticipating financial and social consequences of any intended action.
- Have an understanding of concepts behind, design, analysis and simulation of mechatronics and robotics systems

ENGT105 C - Instrumentation and Process Control

- Create and interpret instrument tags and line symbols used in piping and instrument (P&ID) diagrams.
- Define closed loop tuning and give an application
- Describe the operation of current and pressure methods of transmittin instrument valves, and the applications of current to pressure converters.
- Describe the operation of PID control and give an application.
- Explain the operation, programming, and calibration of closed loop process controllers and control systems, including liquid level, flow, pressure and temperature

ENGT107 C - Electricity and Electronics

- Upon successful completion of the course, the student will correctly calculate quantities in DC circuits containing resistive devices, capacitors, and inductors using Ohm's and Watt's Laws, Kirchhoff's Laws, and appropriate circuit analysis methods.
- Upon successful completion of the course, the student will correctly identify common component symbols and explain the functions of common electronic components.
- Upon successful completion of the course, the student will correctly identify the production, characteristics, applications, and voltage change methods of Direct Current Electricity.
- Upon successful completion of the course, the student will correctly perform circuit measurements using multimeter, perform circuit fabrication using electronic schematic diagrams, and perform simple problem-isolation techniques on laboratory circuits.

ENGT109 C - Industrial Design and Graphics

- At the end of the course, the student will be able to develop an accurate 3D drawing of a part or assembly using a 3D solid modeling software with 60% accuracy.
- At the end of the course, the student will be able to develop an assembly of a model with use of existing parts through application of mates using a 3D solid modeling software with 60% accuracy.
- At the end of the course, the student will be able to do 3D solid modeling and solid editing using a 3D solid modeling software with 60% accuracy.
- At the end of the course, the student will be able to draw 3D surfaces such as wedge, cone, sphere, pyramid, torus, etc. using a 3D solid modeling software with 60% accuracy .

ENGT110 C - Introduction to Engineering

- At the end of the course, the student will be able to apply time management skills, test taking skills, group study habit to become a successful student and ultimately graduate with an engineering degree with 70% accuracy.
- At the end of the course, the student will be able to appreciate the rewards and opportunities of an Engineering career; describe engineering job functions, employment opportunities, and engineering as a profession with 70% accuracy.
- At the end of the course, the student will be able understand different learning styles and teaching styles, use it to maximize their learning potential with 70% accuracy.

ENGT115 C - Electric Motors and Controls

- Upon completion of the course the student will be able to explain the use, applications, functions, and correctly wire and program motor drives, including Variable Frequency Drives.
- Upon completion of the course the student will be able to identify and explain the use, applications, and functions of input devices, relays, pilot devices, control circuits, and other industrial electronic components and devices commonly found in industrial applications.
- Upon successful completion of the course, the student will accurately calculate, configure, and select the appropriate wiring configuration of the common DC, single-phase AC, three-phase AC, stepper, and servo motor types, as well as three-phase transformer configurations.
- Upon successful completion of the course, the student will correctly recognize, explain the operation of, and apply the knowledge of common industrial electronic components and devices covered in the course to design, test, and implement motor control circuitry and systems according to safety codes/regulations, safe work practices, and requirements/specifications provided to the student.

ENGT120 C - Mechanical Systems

- Upon successful completion of the course, the student will be able to: choose the appropriate hand, power, or stationary power tool, and demonstrate or explain its use, when given a task to perform that requires the use of a hand, portable, or stationary tool.
- Upon successful completion of the course, the student will be able to: choose the proper fastening, machining, or welding/soldering/brazing process, as well as demonstrate or explain the proper use and function of the chosen process, when given a task to perform where materials, mechanical systems, or structural systems are to be fastened, joined, or machined.
- Upon successful completion of the course, the student will be able to: demonstrate the appropriate bearing or bushing choice, the appropriate seal, gasket or packing material to be used, the proper lubrication material and method, and the proper maintenance procedure and interval when given a mechanism for design, maintenance, or repair.

ENGT125 C - Hydraulic and Pneum Systems

- Upon completion of the course, students should understand the role of electro-pneumatic and hydraulic control systems in complex mechatronic system and subsystems.
- Upon completion of the course, students should understand troubleshooting, maintenance and safety issues revolving around electro-pneumatic and hydraulic circuits within a mechatronic system.
- Upon completion of this course, students should be able to recognize hydraulic and pneumatic components and their functionality.
- Upon completion of this course, students should understand the inter-relationships of components and modules within a complex mechatronic system with a focus on electro-pneumatic and hydraulic control systems.

ENGT150 C - Digital Fund and PLC Prog

- Upon successful completion of the course, the student will understand and explain the addressing structure needed to control discrete components.
- Upon successful completion of the course, the student will understand and explain the serial and Ethernet communication configurations.
- Upon successful completion of this class the students will successfully develop ladder logic diagrams for a PLC application.
- Upon successful completion of this class the students will successfully implement program timer-on/timer-off and up-counter/down counter instructions.

ENGT160 C - Industrial Data Network and HMI

- Upon completion of this course, the student will be able to demonstrate the use of serial standards as required in an industrial plant environment.
- Upon successful completion of this course, the student will be able to demonstrate a working programmable logic controller network in a simulated industrial automated application.
- Upon successful completion of this course, the student will be able to identify the need for network protocols during data exchange.

ENGT210 C - Principles of Robotics Systems

- Upon successful completion of this course, the students can successfully describe the role of geometry, kinematics, statics, dynamics, and control within field of robotics.
- Upon successful completion of this course, the students can successfully Identify and explain basic concepts of robot technology in general.
- Upon successful completion of this course, the students can successfully identify and explain basic concepts of robot technology in manufacturing and production systems.
- Upon successful completion of this course, the students can successfully understand the application of robotic tools to model and solve manufacturing problems.

ENGT225 C - Robot and Automation Programming

- Describe the most popular type of robot programming languages.
- Differentiate between teach pendant and offline programming
- Identify five different types of motion instruction
- Program and operate a PLC controlled industrial robot.

ENGT240 C - Advanced Robotics

- Upon successful completion of this course, the students will be able to analyze sensor signals to implement real-time control algorithms and error propagation in electrical, mechanical and computational systems.
- Upon successful completion of this course, the students will be able to demonstrate knowledge of different types of actuators used in robotic systems, analyze the position and velocity kinematics of a robot arm and analyze the dynamics of a robot arm.
- Upon successful completion of this course, the students will be able to model and simulate systems using appropriate programming language.

ENGT250 C - Industrial Maintenance and Safety

- Upon successful completion of this course, the students will be able to demonstrate proper lock-out/tag-out procedures.
- Upon successful completion of this course, the students will be able to identify various types of fasteners common to industrial maintenance.
- Upon successful completion of this course, the students will be able to utilize various hand and power tools; utilize precision measuring and instruments;
- Upon successful completion of this course, the students will be able to utilize various hand and power tools; utilize precision measuring and instruments;

ENGT255 C - Integrated Automation Systems

- Upon successful completion of this course, the students will Be able to apply knowledge about automation manufacturing to maintain and improve mechatronics systems.
- Upon successful completion of this course, the students will Be able to realize the importance of micro-controllers and automated tools as essential components on a mechatronics system.
- Upon successful completion of this course, the students will have deep Understanding of analogue sensors, actuators and modules in PLC technology.
- Upon successful completion of this course, the students will have deep Understanding of the use and functions of PROFIBUS and MPI Bus.

ENGT265 C - Manufacturing Operation Management

- Upon successful complete of this course the students can assess and formulate decision making strategies to address operating issues that have short, intermediate or long lead times.
- Upon successful complete of this course the students can critically evaluate the operations function in manufacturing and service production settings.
- Upon successful complete of this course the students can identify and articulate how operations management contributes to the achievement of an organization's strategic objectives.

ENGT290 C - Industry 4.0, IIoT, Digitization

- Upon successful completion of this course, the students understand the drivers and enablers of Industry 4.0
- Upon successful completion of this course, the students will appreciate the smartness in Smart Factories, Smart cities, smart products and smart services
- Upon successful completion of this course, the students will be able to outline the various systems used in a manufacturing plant and their role in an Industry 4.0 world

Geology Dept.

CSLO**GEOL100 C - Physical Geology**

- Students independently will be able to explain Earth's surface processes such as mass wasting, streams, glaciers, groundwater, wind and shorelines
- Students independently will be able to explain the concept and the relationship of plate tectonics with that of earthquakes, volcanoes and other surface features.
- Students independently will be able to explain the origin, composition, structure and interaction of the earths lithosphere, hydrosphere and atmosphere.
- Students independently will be able to identify major geologic time divisions, date stratigraphic sequences using fossils, relative age relationships and absolute dating techniques.

GEOL100HC - Honors Physical Geology

- Students independently will be able to explain Earth's surface processes such as mass wasting, streams, glaciers, groundwater, wind and shorelines
- Students independently will be able to explain the concept and the relationship of plate tectonics with that of earthquakes, volcanoes and other surface features.
- Students independently will be able to explain the origin, composition, structure and interaction of the earths lithosphere, hydrosphere and atmosphere.
- Students independently will be able to identify major geologic time divisions, date stratigraphic sequences using fossils, relative age relationships and absolute dating techniques.

GEOL101 C - Physical Geology Laboratory

- Each student will be able to determine age relative and absolute ages using geologic relative dating principles, fossils and radiometric methods.
- Each student will be able to explain the role of plate tectonics with respect to different types of minerals and rocks, structures, geological process and surface features.
- Each student will be able to identify rocks and minerals in the laboratory and in the field.
- Each student will be able to recognize rocks, structures, surface features and geological processes as revealed on maps, cross sections, air photos or satellite imagery.

GEOL103 C - Historical Geology

- Students independently will be able to explain the dynamics of plate tectonics to changes in the rock and fossil record through time.
- Students independently will be able to explain the interrelationships between planetary materials, structures, fossils, and time as presented in lecture and in lab.
- Students independently will be able to identify representative samples of fossils, rocks and minerals
- Students independently will be able to interpret a geologic map, interpret and develop a cross section and stratigraphic column.
- Students independently, or within a partnership or group will be able to successfully deliver a verbal presentation based on their research related to a Historical Geology topic followed by a written research paper submitted to the instructor.

GEOL105 C - Earth Science for Teachers

- Students independently will be able to evaluate issues in the news and involving science and modern technology.
- Students independently will be able to explain verbally, identify, or in respond to questions in written form that consist of major concepts from the disciplines of geology, oceanography, meteorology and astronomy.
- Students independently will be able to utilize different teaching methodologies in formulating lesson plans.

GEOL115 C - Physical Geology Field Lab

- Students independently will be able to explain the fundamental geologic history of the area visited based on data collected and observations in the field.
- Students independently will be able to identify different rock types in the field such as granite and basalt and know how each was formed.
- Students independently will be able to identify in the field common geologic features such as faults, folds and sedimentary features such as graded bedding.

GEOL120 C - Geology of California

- Students independently will be able to explain earths surface processes such as mass wasting, streams, glaciers, groundwater, wind and shorelines and how it relates to features observed in California.
- Students independently will be able to explain the concept and the relationship of plate tectonics with that of earthquakes, volcanoes and other surface features observed in California.
- Students independently will be able to explain the different geologic processes features that define the geological provinces within

California.

- Students independently will be able to explain the origin, composition, structure and interaction of the earth's lithosphere, hydrosphere and atmosphere and its relationship to California's Geology

GEOL125 C - Natural Disasters

- Students independently will be able to describe how natural hazards are monitored.
- Students independently will be able to design a personal emergency plan for their family.
- Students independently will be able to explain how and why earthquakes, volcanoes, landslides, hurricanes, tornadoes, floods, climate change and mass extinctions occur.
- Students independently will be able to explain the effects of natural disasters on humans

GEOL130 C - Introduction to Oceanography

- Students working independently or in groups will be able to demonstrate an understanding of waves, currents, tides and their relationship to coastline and seascape formation.
- Students working independently will be able to identify geologic structures and sediments on the sea floor and explain how they were created and deposited.
- Students working independently will be able to identify the physical properties and circulation patterns of the atmosphere and relate them to the ongoing changes of Earth's climate.
- Students working independently will be able to list several adaptations of microscopic and macroscopic marine organisms to their environment.

GEOL131 C - Intro to Oceanography Lab

- Students working in small groups will demonstrate the relationship of temperature and salinity on the density of seawater.
- Students working independently or in small groups will be able to identify basic sedimentary and igneous rocks and their formation process.
- Students working independently or in small groups will be able to use a bathymetric chart and create a profile of a portion of the sea floor.

GEOL190 C - Environmental Geology

- Students independently will be able to explain how population growth will correlate with resource needs in view of georesource distribution, availability and reserves.
- Students independently will be able to explain the concept and the relationship of plate tectonics with that of earthquakes, volcanoes, landslides and other surface features and how it relates to natural hazards.
- Students independently will be able to explain the origin, composition, structure and interaction of the earth's lithosphere, hydrosphere and atmosphere.
- Students independently will be able to explain why and how natural/manmade geohazards occur, different energy resources, and how they affect the environment.

GEOL298 C - Geology Seminar

- To be determined based on the subject matter by the instructor.

Mathematics Dept.

CSLO

MATH010 C - Basic Mathematics

- Students will perform operations involving whole numbers, fractions, mixed numbers, decimals, and negative numbers at a proficient level.
- Students will solve application problems involving mathematical operations, ratio and proportion, percent, and perimeter and area at a proficient level.
- Students will write numbers in words, round off numbers, order numbers, factor whole numbers, employ correct mathematical terminology, and convert units of measurement at a proficient level.

MATH011 C - Skills for Finite Math

- Students will demonstrate proficiency in skills needed to be successful in Finite Math.

MATH012 C - Skills for Probability & Stats

- Students will demonstrate proficiency in skills needed to be successful in Introduction to Probability and Statistics.

MATH013 C - Skills for Survey of Calculus

- Students will demonstrate proficiency in skills needed to be successful in Survey of Calculus.

MATH014 C - Skills for College Algebra

- Students will demonstrate proficiency in skills needed to be successful in College Algebra.

MATH015 C - Pre-Algebra

- Students will correctly convert a fraction to percent notation, a decimal to percent notation, and percents to decimals. Students will also correctly set up and solve percent equations and percent application problems at a proficient level. This includes Sales Tax, Commission, Discount, Percent Increase and Decrease, and Simple Interest.
- Using the order of operations, students will correctly simplify numerical expressions with integers, fractions, and decimals without the use of a calculator, at a proficient level.
- Using the properties of real numbers, students will correctly solve basic linear equations at a proficient level.

MATH020 C - Elementary Algebra

- Upon completion of Elementary Algebra, the student will be able to find the equation, slope, and intercepts of a line, find the vertex and intercepts of a parabola, and use these in graphing linear equations, linear inequalities, linear systems, and parabolas at a proficient level.
- Upon completion of Elementary Algebra, the student will be able to perform operations on and simplify polynomials, rational expressions and radical expressions, and factor polynomials at a proficient level.
- Upon completion of Elementary Algebra, the student will be able to solve linear equations, linear inequalities, systems of linear equations, quadratic equations, rational equations, radical equations and application problems at a proficient level.

MATH024 C - Pre-Statistics

- Students will collect, organize, and summarize data through the use of graphs and by calculating measures of central tendency and measures of dispersion at a proficient level.
- Students will use concepts from algebra, logic, and set theory as they apply to topics in probability and statistics, and they will become skillful at reading and understanding statistical studies and problems.
- Students will use counting principles, laws of probability, and probability distributions, including the binomial, uniform, normal, T, F, and Chi-Square distributions to compute the likelihood of events.

MATH030 C - Plane Geometry

- Construct logical geometric proofs from a diagram along with its given information, properly justifying each step using the theorems, postulates, definitions and corollaries at a proficient level.
- Solve problems involving line, segment, and angle relationships by applying geometric concepts and algebra, and then choose which solutions are appropriate to the given problem at a proficient level.
- Solve problems involving perimeter, circumference and area of circles and polygons, and surface areas and volumes of geometric solids at a proficient level.

MATH038 C - Practical Mathematics for Life

- Students will apply logic and reasoning to analyzing statements at a proficient level.
- Students will calculate the probability and odds of simple and composite events at a proficient level.
- Students will solve applications involving personal finance at a proficient level.
- Students will successfully utilize core formulas from Euclidean geometry at a proficient level.

MATH040 C - Intermediate Algebra

- Upon completion of the course, students will be able to evaluate and simplify linear, quadratic, rational, radical, exponential, and logarithmic expressions using the properties and rules of algebra at a proficient level.
- Upon completion of the course, students will be able to graph and analyze linear and quadratic functions at a proficient level.
- Upon completion of the course, students will be able to solve application problems using an appropriate equation or system of equations and interpret the answer in the context of the problem at a proficient level.
- Upon completion of the course, students will be able to solve linear, quadratic, rational, radical, exponential and logarithmic equations and distinguish between actual and extraneous solutions at a proficient level.

MATH041 C - Combined Algebra I & II

- Upon completion of the course, students will be able to evaluate and simplify linear, quadratic, rational, radical, exponential, and logarithmic expressions using the properties and rules of algebra at a proficient level.
- Upon completion of the course, students will be able to graph and analyze linear and quadratic functions at a proficient level.
- Upon completion of the course, students will be able to solve application problems using an appropriate equation or system of equations and interpret the answer in the context of the problem at a proficient level.
- Upon completion of the course, students will be able to solve linear, quadratic, rational, radical, exponential and logarithmic equations and distinguish between actual and extraneous solutions at a proficient level.

MATH044 C - Basic Accelerated Math

- Students will demonstrate ability to apply mathematical concepts, simplify expressions, and solve equations.

- Students will demonstrate ability to graph equations, and solve application problems using logic, constructions, and analytical reasoning.

MATH45 C - Intermediate Algebra Review

- Evaluate and simplify linear, quadratic, rational, radical, exponential, and logarithmic expressions using the properties and rules of algebra at a proficient level.
- Graph and analyze linear and quadratic functions at a proficient level.
- Solve application problems using an appropriate equation or system of equations and interpret the answer in the context of the problem at a proficient level.
- Solve linear, quadratic, rational, radical, exponential and logarithmic equations, and distinguish between actual and extraneous solutions at a proficient level.

MATH098 C - Mathematics Seminar

- To be determined based on the subject matter and the instructor.

MATH100 C - Liberal Arts Mathematics

- Students will apply logic and reasoning to analyzing statements at a proficient level.
- Students will calculate the probability and odds of simple and composite events at a proficient level.
- Using Euclidean geometry, students will solve appropriate measurement applications at a proficient level.
- Using one variable statistics, students will construct and interpret statistical graphs and charts, and both calculate and interpret measures of central tendency and dispersion of data sets at a proficient level.

MATH110 C - Math for Prospective Teachers

- Students will apply number theory to applications involving divisibility tests, prime factors, the Fundamental Theorem of Arithmetic, GCF and LCM.
- Students will apply set theory to applications involving combinatorics.
- Students will perform whole number computation using different computational algorithms and algorithms in other bases at a proficient level.

MATH115 C - Finite Mathematics

- The student will be able to perform matrix operations and use matrices to solve systems of linear equations at a proficient level.
- The student will be able to solve linear programming problems at a proficient level.
- The student will be able to use counting techniques and compute probability at a proficient level.

MATH120 C - Intro Probability & Statistics

- Given a set of data, the student will be able to collect, organize and summarize data through the use of graphs and by calculating measures of central tendency and measures of dispersion at a proficient level.
- The student will be able to compute probabilities using basic probability rules, counting techniques, and probability distributions, including sampling distributions at a proficient level.
- Given sample data or sample statistics, the student will be able to estimate and compare population parameters through the use of confidence intervals and hypothesis testing at a proficient level.

MATH130 C - Survey of Calculus

- Given a function, the student will be able to find the derivative of the function at a proficient level.
- Given a function, the student will be able to find the integral of the function at a proficient level.
- The student will be able to solve application problems using the derivative or antiderivative at a proficient level.

MATH141 C - College Algebra

- Given a polynomial, rational, radical, logarithmic or exponential equation, or a polynomial or rational inequality, or an application problem, the student will be able to accurately solve it at a proficient level.
- Given a problem asking for the domain of a function, a system of equations to solve, a problem involving sequences or series, the power of a binomial to expand using the binomial theorem, or a statement to prove using mathematical induction, the student will be able to accurately solve the problem at a proficient level.
- Given an equation of a polynomial, rational, radical, or absolute value function, or a conic section, the student will be able to accurately construct the graph of the equation at a proficient level.

MATH142 C - Trigonometry

- Students will analyze and solve applications involving right and oblique triangles at a proficient level.
- Students will demonstrate knowledge of the trigonometric graphs. This includes the identification of amplitude, period, phase shift, vertical translation and equation for vertical asymptotes, as appropriate, at a proficient level.

- Students will evaluate the exact values of the trigonometric functions of special angles at a proficient level.
- Students will use trigonometric identities to simplify expressions and solve equations at a proficient level.

MATH150AC - Calculus I

- Given an algebraic or transcendental function, the student will be able to find a limit of the function at a proficient level.
- Given an algebraic or transcendental function, the student will be able to find the antiderivative of the function at a proficient level.
- Given an algebraic or transcendental function, the student will be able to take the derivative of the function at a proficient level.

MATH150BC - Calculus II

- Upon completion of Calculus II, the student will be able to set up and evaluate a definite integral for finding the volume of a solid, arc length of a curve, area of a surface of revolution, and area of a region bounded by rectangular or polar curves.
- Upon completion of Calculus II, the student will be able to apply the appropriate techniques of integration to find indefinite integrals and to evaluate definite integrals and improper integrals at a proficient level.
- Upon completion of Calculus II, the student will be able to determine the convergence of an infinite series, find the power series of a function, and differentiate, integrate, and find the interval of convergence of a power series at proficient level.

MATH250AC - Multivariable Calculus

- Upon completion of Multivariable Calculus, the student will be able to find first and second partial derivatives, and use these to find the total differential, directional derivatives, and extrema of a function of several variables at a proficient level.
- Upon completion of Multivariable Calculus, the student will be able to set up and evaluate multiple integrals, line integrals, and surface integrals for finding area, volume, mass, center of mass, moments of inertia, work, and flux at a proficient level.
- Upon completion of Multivariable Calculus, the student will be able to use vector calculus to find equations of lines and planes, find the angle and distance between lines and/or planes, and describe the motion of an object at a proficient level.

MATH250BC - Linear Alg and Differential EQ

- Upon completion of Linear Algebra/Differential Equations, the student will be able to apply an appropriate method to solve ordinary differential equations and identify uniqueness and existence of solutions at a proficient level.
- Upon completion of Linear Algebra/Differential Equations, the student will be able to demonstrate knowledge of vector spaces, linear transformations, and Laplace transforms at a proficient level.
- Upon completion of Linear Algebra/Differential Equations, the student will be able to perform row (or column) operations on a matrix to evaluate its determinant, solve a system of equations, and determine the eigenvalues and eigenvectors of a matrix at a proficient level.

MATH298 C - Mathematics Seminar

- To be determined on an individual basis with the instructor.

MATH299 C - Mathematics Independent Study

- Students will analyze natural phenomena using the concepts of chemistry with 65% accuracy
- Students will analyze natural phenomena using the concepts of physics with 65% accuracy.
- Students will be able to correctly plan laboratory techniques with appropriate safety procedures according to standard guidelines with 65% accuracy.
- Students will identify appropriate equipment and methods used to investigate physical phenomena with 65% accuracy.
- Students will make valid comparisons between physical phenomena and theoretical predictions with 65% accuracy.

MATHN01 C - Supervised Tutoring: Math

- Upon successful completion of this course students will be able to report progress in selected areas of individualized units of study.

Physical Science Dept.

CSLO

ASTR116 C - Introduction to Astronomy

- Students should be able to describe how light is used to determine stellar properties with 60% accuracy.
- Students should be able to describe the formation and evolution of stars with 60% accuracy.
- Students should be able to describe the formation of the Solar System with 60% accuracy.

ASTR116HC - Honors Intro to Astronomy

- Students should be able to describe how light is used to determine stellar properties with 60% accuracy.
- Students should be able to describe the formation and evolution of stars to 60% accuracy.

- Students should be able to describe the formation of the Solar System with 60% accuracy.

ASTR117 C - Astronomy Lab

- Students should be able to describe how a modern telescope is used to look at the sky with 60% accuracy.
- Students should be able to describe how the Doppler Effect is used to determine relative speed of celestial objects with 60% accuracy.
- Students should be able to describe Kepler's three laws of planetary motion with 60% accuracy.
- Students should be able to describe the use of spectroscopy and a spectrograph in Astronomy with 60% accuracy.

PHSC104 C - Physical Science for Teachers

- Students will apply the fundamentals of physics to real world applications/situations with 65% accuracy.
- Students will apply the fundamentals of chemistry to real world applications/situations with 65% accuracy.
- Students will understand proper chemistry laboratory techniques and safety procedures with 65% accuracy.

PHSC196 C - Field Studies in Physical Science

- To be determined based on the seminar topic.

PHSC298 C - Physical Science Seminar

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

PHSC299 C - Phys Sci Indep Study

- At the end of the course the student will be able to apply the concepts of energy conservation, potential energy, kinetic energy and work to solve problems with 60% accuracy.
- At the end of the course the student will be able to describe the motion of a particle in one dimension using vectors and the concepts of force, acceleration, velocity and displacement with 60% accuracy.
- At the end of the course the student will be able to use Newton's laws to solve problems involving mass, force, acceleration, velocity, and position of an object with 60% accuracy.

Physics Dept.

CSLO

PHYS130 C - Elementary Physics

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- At the end of the course the student will be able to apply the concepts of energy conservation, potential energy, kinetic energy and work to solve problems with 60% accuracy.
- At the end of the course the student will be able to describe the motion of a particle in one dimension using vectors and the concepts of force, acceleration, velocity and displacement with 60% accuracy.
- At the end of the course the student will be able to use Newton's laws to solve problems involving mass, force, acceleration, velocity, and position of an object with 60% accuracy.

PHYS201 C - College Physics I

- At the end of the course students will be able to apply the concepts of energy conservation, momentum conservation, potential energy, kinetic energy and work to solve word problems with 60% accuracy.
- At the end of the course students will be able to describe simple harmonic motion of a mass-spring system and pendulum; understand the wave motion and apply them to propagation of sound waves with 60% accuracy.
- At the end of the course students will be able to use Newton's laws of motion to solve word problems involving mass, force, acceleration, velocity, and position of an object with 60% accuracy.
- At the end of the course the student will be able to describe the motion of a particle in one and two dimensions using vectors and the concepts of force, acceleration, velocity and displacement with 60% accuracy.

PHYS202 C - College Physics II

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- At the end of the course students will be able to explain the nature of charges, process of charging, electric force, electric field, and electric potential using vectors with 60% accuracy.
- At the end of the course students will be able to understand, analyze, and make simple DC and AC circuits with 60% accuracy.
- At the end of the course students will be able to use the laws of geometric optics to determine where an image forms given an object, a spherical mirror, and a lens with 60% accuracy.

PHYS210 C - Physics for Life Sciences I

- At the end of the course students will be able to apply the concepts of energy conservation, potential energy, kinetic energy and work to solve word problems with 60% accuracy.
- At the end of the course students will be able to describe simple harmonic motion of a mass-spring system and pendulum; understand the wave motion and apply them to propagation of sound waves with 60% accuracy.
- At the end of the course students will be able to use Newton's laws of motion to solve word problems involving mass, force, acceleration, velocity, and position of an object with 60% accuracy.
- At the end of the course the student will be able to describe the motion of a particle in one and two dimensions using vectors and the concepts of force, acceleration, velocity and displacement with 60% accuracy.

PHYS211 C - Physics for Life Sciences II

- At the end of the course students will be able to explain the nature of charges, process of charging, electric force, electric field, and electric potential using vectors and some calculus with 60% accuracy.
- At the end of the course students will be able to understand, analyze, and make simple DC and AC circuits with 60% accuracy.
- At the end of the course students will be able to use the laws of geometric optics to determine where an image forms given an object, a spherical mirror, and a lens with 60% accuracy.

PHYS221 C - General Physics I

- Student will be able to describe the motion of a particle in one, two, and three dimensions using vectors and the concepts of force, acceleration, velocity and displacement with 70% accuracy.
- Students will be able to apply the concepts of energy conservation, potential energy, kinetic energy and work to solve word problems with 70% accuracy.
- Students will be able to use Newton's laws to solve word problems involving mass, force, acceleration, velocity, and position of an object with 70% accuracy.

PHYS222 C - General Physics II

- Students will be expected to solve problems that contain the effect of magnetic field on moving charges, current carrying wires and the origin of magnetic field using vectors and calculus with 60% accuracy.
- Students will be expected to solve word problems involving the concepts of simple DC and AC circuits with 60% accuracy.
- Students will be expected to solve word problems involving the nature of charges, process of charging, electric force, electric field, and electric potential using vectors and methods of calculus with 60% accuracy.

PHYS223 C - General Physics III

- Students will be expected to apply the laws of geometric optics to determine where an image forms given an object, a spherical mirror, and a lens and to solve word problems with 60% accuracy.
- Students will be expected to solve word problems involving the concepts of heat transfer and thermodynamics with 60% accuracy.
- Students will be expected to solve word problems involving the origin, nature, and propagation of sound waves with 60% accuracy.

Social Science Div.

Anthropology Dept.

CSLO

ANTH101 C - Biological Anthropology

- Human Variation: Students will have a working knowledge of human variation, including various components of human genetics, cultural, physical and biological adaptability of humans, and the criticisms of the "race" concept, and be able to apply the biocultural approach to human variation problems, with 70% accuracy.
- Primates and Hominids/Hominins Students will be able to identify the characteristics of various primates and hominids/hominins, understand the evolutionary significance of primates and hominids/hominins to human evolution including shared attributes, with 70% accuracy.
- Science and Evolution Students will be able to distinguish the elements of the scientific method and apply them to evolutionary theory, and able to identify the forces of evolution and evidence of evolution, and apply these to examples from the natural world with 70% accuracy.

ANTH101HC - Honors Biological Anthropology

- Human Variation: Students will have a working knowledge of human variation, including various components of human genetics, cultural, physical and biological adaptability of humans, and the criticisms of the "race" concept, and be able to apply the biocultural approach to human variation problems, with 70% accuracy.
- Primates and Hominids/Hominins: Students will be able to identify the characteristics of various primates and hominids/hominins, understand the evolutionary significance of primates and hominids/hominins to human evolution including shared attributes, with 70% accuracy.
- Science and Evolution: Students will be able to distinguish the elements of the scientific method and apply them to evolutionary theory, and able to identify the forces of evolution and evidence of evolution, and apply these to examples from the natural world with 70% accuracy.

ANTH101LC - Biological Anthropology Lab

- Comparative Anatomy - vertebrates, primate, humans/hominins: Students will be able to, based on comparative skeletal analysis of vertebrates, primates and modern and ancestral humans/hominins, taxonomically, evolutionarily, geographically and temporally, visually identify specific primates and humans and their ancestors, to include a working knowledge of human osteology and some forensic techniques, with 70% accuracy.
- Comparative Anatomy - vertebrates, primate, humans/hominins: Students will be able to, based on comparative skeletal analysis of vertebrates, primates and modern and ancestral humans/hominins, taxonomically, evolutionarily, geographically and temporally, visually identify specific primates and humans and their ancestors, to include a working knowledge of human osteology and some forensic techniques, with 70% accuracy.
- Human Variation, Genetics and Evolution: Students will be able to use various anthropological techniques (e.g. blood typing, anthropometry, pedigree charts, Punnett Squares, Hardy-Weinberg formula, osteology, forensics), and recognize models and their elements that illustrate concepts (e.g., the cell and cell division, DNA), within topics that apply to human variation, human genetics and human evolution with 70% accuracy
- The Scientific Method: Students will be able to demonstrate the application of the scientific method in general and as it applies to biological anthropology with 70% accuracy.

ANTH102 C - Cultural Anthropology

- Students must positively demonstrate that they understand and have internalized the anthropological method of cultural relativism as a means of appreciating one's own culture and the cultural diversity around the world, and can apply the principles of cultural relativism to recognizing ethnocentric attitudes in others and themselves 70% of the time.
- The student will be able to identify, describe and explain the interwoven and holistic nature of human culture by synthesizing cultural institutions, such as subsistence strategies, politics, economics, marriage, family, kinship and religion, with at least 70% accuracy in the application of how cultural institutions fit together (for example, state-level societies are not based on foraging).
- The student will have a working definition of culture, understand the elements of cultural knowledge, and understand that culture is the primary means by which humans adapt to the environment and is therefore flexible and must change; the students will continuously apply these principles throughout the course and to their understanding of world events and globalization as part of a life-long learning process; and will demonstrate at least 70% mastery of them.

ANTH102 HC - Honors Cultural Anthropology

- Holism and Cultural Institutions The student will be able to identify, describe and explain the interwoven and holistic nature of human culture by synthesizing cultural institutions, such as subsistence strategies, politics, economics, marriage, family, kinship and religion, with at least 70% accuracy in the application of how cultural institutions fit together (for example, state-level societies are not based on foraging).
- Students must positively demonstrate that they understand and have internalized the anthropological method of cultural relativism as a means of appreciating one's own culture and the cultural diversity around the world, and can apply the principles of cultural relativism to recognizing ethnocentric attitudes in others and themselves 70% of the time.
- The student will have a working definition of culture, understand the elements of cultural knowledge, and understand that culture is the primary means by which humans adapt to the environment and is therefore flexible and must change; the students will continuously apply these principles throughout the course and to their understanding of world events and globalization as part of a life-long learning process; and will demonstrate at least 70% mastery of them.

ANTH102HC - Honors Cultural Anthropology

- Cultural Relativism and Ethnocentrism The student must positively demonstrate that he or she understands and has internalized the anthropological method of cultural relativism as a means of appreciating one's own culture and the cultural diversity around the world by applying the principles of cultural relativism to recognizing ethnocentric attitudes in others and themselves and demonstrating this by accurately identifying ethnocentric language and beliefs when describing the cultural institutions of another society 80% of the time.

ANTH103 C - Introduction to Archaeology

- Cultural Development and Archaeology Students will demonstrate the ability to evaluate cultural remains (sites, features, artifacts, ecofacts) by applying critical thinking and evaluation of data in general and to specific world regions and cultures, with 70% accuracy.
- Discovery, excavation, Interpretation, and Analysis of Archaeological Remains Students will demonstrate knowledge of the basic principles, methods, and techniques governing the discovery and recovery of archaeological data (sites, features, artifacts, ecofacts), as well as their interpretation in a cultural framework, with 70% accuracy.
- Scientific Method and Archaeological Research Design Students will demonstrate an understanding of the scientific method, its application in constructing an archaeological research design with respect to the archaeological record, and implementing a research design to answer questions in a convincing manner, with 70% accuracy.

ANTH104 C - Comparative Cultures

- Adaptational Diversity Students will demonstrate that they have learned a representative cross-section of world and traditional cultural beliefs and practices by identifying specific aspects of and/or general themes and correctly associating them with specific culture groups/societies, with 70% accuracy.
- Basic Concepts and Methods in Anthropology Students will demonstrate an understanding of basic anthropological concepts and methods (e.g. cultural relativism, holistic approach, participant observation, linguistics) and be able to define anthropology as a discipline, and the terms culture and language within the anthropological context, with 70% accuracy.
- Integration of Cultural Systems Students will demonstrate that they have learned a representative cross-section of world and traditional cultural systems and institutions and can correctly identify how they function together in specific culture groups/societies, with 70% accuracy.

ANTH105 C - Intro Linguistic Anthropology

- Language as defining feature of Humanity Students will demonstrate that they can critically assess the role of language in shaping, defining and experiencing reality, culture, and worldview, with an appreciation for the integrated nature of language and culture, and the past and continuing co-evolution of human language, culture and biology, particularly with regard to language acquisition theories, with 70% accuracy.

- Language Structure and Use Students will demonstrate comprehension of the mechanical, structural and socio-cultural aspects of language and paralinguage (e.g. phonemics, morphology, syntax, honorifics, writing, signing, proxemics, kinesics), with 70% accuracy.

- Linguistic Anthropology Students will demonstrate an understanding of basic anthropological methods and practices (e.g. cultural relativism, holistic approach, participant observation) and understand the place of the subfield of linguistic anthropology in relation to anthropology as a whole, as well as related disciplines (e.g. descriptive linguistics, historical linguistics, sociolinguistics), with 70% accuracy.

ANTH106 C - Human Prehistory/Ancient Civilizations

- Early Humans Students will demonstrate an understanding of early prehistoric human (hominid/hominin) biological and cultural evolution, particularly artifacts, art, migrations, and other cultural materials, with 70% accuracy.

- Rise of Sedentary Life and Agriculture Students will demonstrate knowledge of basic patterns and specific attributes of the development of agriculture and sedentary life both in general and in specific world regions, with 70% accuracy.

- Social Complexity and Civilizations Students will demonstrate an ability to apply archaeological and anthropological perspectives to understanding social and cultural complexity both in general and in specific world regions, with 70% accuracy.

ANTH107 C - Magic, Witchcraft and Religion

- Anthropological Study of Religion Students will demonstrate an understanding of basic anthropological methods and practices (e.g. cultural relativism, holistic approach, participant observation) and be able to define anthropology as a discipline, and the terms culture and religion within the anthropological context, with 70% accuracy.

- Religious Beliefs Students will demonstrate that they have learned a representative cross-section of world and traditional religious beliefs by identifying specific aspects of and/or general themes of mythology, religious symbols, conceptions of the afterlife, beliefs in supernatural forces and beings, and how religious beliefs function in human cultures and change over time, with 70% accuracy.

- Religious Practices Students will demonstrate that they have learned a representative cross-section of world and traditional religious practices by identifying specific aspects of and/or general themes of, ritual, altered states of consciousness, religious specialists/practitioners, magic, divination, sorcery, witchcraft, revivals and movements, and how religious practices function in human cultures and change over time, with 70% accuracy.

ANTH121 C - Native North America

- Culture: Students will demonstrate knowledge of the cultures and lifeways (including language, religion, economics, subsistence, politics, art, family organization, etc.) of various Native North American Indian populations, sampling all culture areas, as known from both the ethnographic and historical records, with 70% accuracy.

- The Past Students will demonstrate a comprehensive understanding of the pasts (including prehistory, history, Contact Period, impact of Europeans, etc.) of various Native North American Indian populations, sampling all culture areas, as known from the archaeological, ethnographic and historical records, with 70% accuracy.

- The Present Students will demonstrate an appreciation for and understanding of the contemporary issues pertaining to Native North American Indians (poverty, alcoholism and other social and health problems, education, stereotyping and discrimination, Pan-Indianism, gaming, sovereignty and other rights, etc.), with 70% accuracy.

ANTH208 C - Anthropology of Death

- Anthropological Study of Death: Students will demonstrate an understanding of basic anthropological methods and practices (e.g. cultural relativism, holistic approach, participant observation) and be able to define anthropology as a discipline, and apply these to the anthropological study of death, with 70% accuracy.

- Beliefs: Students will demonstrate that they have learned a representative cross-section of world and traditional cultural beliefs about death, dying, and the afterlife, with 70% accuracy.

- Practices: Students will demonstrate that they have learned a representative cross-section of world and traditional cultural practices concerning the treatment of the dying, the dead, and the bereaved, with 70% accuracy.

ANTH210 C - Intro to Forensic Anthropology

- Doing Forensic Anthropology Students will demonstrate an ability to apply the methods of forensic anthropology to estimating demographic characteristics of human skeletal and dental elements (e.g. age, sex, ancestry) and specific and general types of pathology and trauma on human skeletal and dental elements (e.g. peri-mortem, post-mortem, cause and manner of death, taphonomy), with 70% accuracy.

- Forensic Anthropology In Context Students will demonstrate an understanding of forensic anthropology as it relates to anthropology as a whole and the medico-legal system, as well as appropriate methods, techniques and ethical responsibilities related to the practice of forensic anthropology (e.g. crime scene recovery, the laboratory, chain of evidence, reporting and court testimony), with 70% accuracy.

- Osteology and Odontology Students will demonstrate knowledge of human osteology and odontology (including differentiating human from non-human), with 70% accuracy.

ANTH211 C - Applied and Practicing Anthropology

- Anthropological Concepts, Methods and Theory: Students will demonstrate an understanding of basic anthropological concepts, methods and theories (e.g., culture, cultural relativism, holistic approach, participant observation, field methods) and be able to define anthropology as a discipline, and its subfields, with 70% accuracy.

- Applied Anthropology In Practice: Students will demonstrate that they have learned the role of applied and practicing anthropologists in the behavioral sciences as well as towards governmental policy and other programs and projects, with 70% accuracy.

- Applied Anthropology In Theory: Students will demonstrate that they have learned the theories, methods, orientations and ethics which inform applied anthropology, with 70% accuracy.

ANTH225 C - Ancient Cultures/Mex/Cent Am

- Contact Appraise the impact of Spanish contact and conquest in Mesoamerica with 70% accuracy.
- Culture History Summarize the culture histories of the Olmec, Maya and Aztec civilizations with 70% accuracy.
- Regional Adaptation Describe the ecological setting in Mesoamerica and its impact on the development of Mesoamerican culture with 70% accuracy.

ANTH231 C - Field Course in Archaeology I

- Applying Archaeology: Students will assess case studies in archaeology and generate appropriate and ethical research designs following best practices in the field with 70% accuracy.
- Field Archaeology Methods Students will describe or demonstrate how contemporary archaeology is conducted in the field, with 70% accuracy.
- Reconstructing the Past: Students will be able to summarize how archaeologists know what they know about past behavior and past cultures with 70% accuracy.

ANTH232 C - Field Course in Archaeology II

- Advanced Applications in Archaeology: Students will generate and implement appropriate and ethical research designs following best practices in the field with 70% accuracy.
- Advanced Methods in Field Archaeology: Students will demonstrate proper excavation, conservation, and curation of artifacts based on specific artifact type with 70% accuracy
- Mentoring and Skills Modeling in Field Archaeology: Students will demonstrate appropriate skills to ANTH 231 students and direct them with the help of the instructor with 70% accuracy.

ANTH298 C - Anthropology Seminar

- SLOs will be developed as appropriate for the particular topic for a given seminar.

ANTH299 C - Anthropology Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

ANTH308 C - Anth of Death for MS

- Anthropological Study of Death: Students will demonstrate an understanding of basic anthropological methods and practices (e.g. cultural relativism, holistic approach, participant observation) and be able to define anthropology as a discipline, and apply these to the anthropological study of death, with 70% accuracy.
- Beliefs: Students will demonstrate that they have learned a representative cross-section of world and traditional cultural beliefs about death, dying, and the afterlife, with 70% accuracy.
- Practices: Students will demonstrate that they have learned a representative cross-section of world and traditional cultural practices concerning the treatment of the dying, the dead, and the bereaved, with 70% accuracy.

Economics Dept.

CSLO

ECON100 C - Principles of Economics-Macro

- Upon completion of the course students will be able to comprehend and apply the concept of GDP and economic growth.
- Upon completion of the course students will be able to differentiate between the following economic concepts: ?Change in quantity demanded ?Change in demand ?Change in quantity supplied ?Change in supply
- Upon completion of the course students with a given fiscal policy specifying tax or spending change, they will demonstrate knowledge of change and identify any resulting change in GDP and CPI levels ? in relation to a given fiscal policy.

ECON100HC - Honors Principles of Economics

- Upon completion of the course students will be able to comprehend and apply the concept of GDP and economic growth.
- Upon completion of the course students will be able to differentiate between the following economic concepts: ?Change in quantity demanded ?Change in demand ?Change in quantity supplied ?Change in supply
- Upon completion of the course students with a given a fiscal policy specifying tax or spending change, they will demonstrate knowledge of change and identify any resulting change in GDP and CPI levels ? in relation to a given fiscal policy.

ECON105 C - Principles of Economics-Micro

- Upon completion of the course students will be able to differentiate between the different kinds of costs associated with fixed and variable inputs.
- Upon completion of the course students will be able to identify, compare and contrast between the four distinct forms of market structures..

- Upon completion of the course students will be able to measure and evaluate the price elasticity of demand.

ECON105 HC - Honors Principles of Economics

- Upon completion of the course students will be able to differentiate between the different kinds of costs associated with fixed and variable inputs.
- Upon completion of the course students will be able to identify, compare and contrast between the four distinct forms of market structures.
- Upon completion of the course students will be able to measure and evaluate the price elasticity of demand.

ECON110 C - Survey of Economics

- Upon completion of the course students will be able to comprehend and apply the concepts of exports, imports, balance of payments, trade deficit, and trade surplus.
- Upon completion of the course students will be able to understand economic issues such as Unemployment, Inflation, Recession, and Economic Growth.
- Upon completion of the course students will demonstrate knowledge of different types of tax structure, sources of income for the government, transfer payments, and subsidies.

ECON120 C - International Economics

- Upon completion of the course students will be able to address the issues related to the role of the US in the World Economy, The European Economy, Trade and Reforms in Latin America, and the BRIC countries in the world.
- Upon completion of the course students will be able to comprehend and apply the concept of Comparative Advantage and the Gains from Trade.
- Upon completion of the course, students will demonstrate knowledge of Trade, Balance of Payment, Exchange Rate, and Exchange Rate Systems.

ECON130 C - Consumer Economics

- Upon completion of the course students will be able to comprehend that because of scarcity people and society must weigh the benefits and costs of using (allocating) the limited available resources such as time and money.
- Upon completion of the course the students will be able to understand the demand-side of the market as a consumer.
- Upon completion the students will be able to understand terms such as interest rate, saving, and investment

ECON260 C - Economic Geography

- Upon completion of the course students will be able to demonstrate knowledge of countries rich in natural resources and raw materials with a 70% accuracy rate.
- Upon completion of the course students will be able to differentiate between agricultural economies and manufacturing service economies (nations) with a 70% accuracy rate.
- Upon completion of the course students will be able to distinguish between the, Primary, Secondary, Tertiary, Quaternary economic sectors with a 70% accuracy rate.

ECON298 C - Economics Seminar

- Upon completion of the course students will be able to demonstrate knowledge of their research topic along with learning of the basic economic concepts such as Demand, Supply, GDP, Inflation, Unemployment, Taxes and Trade.

ECON299 C - Economics Independent Study

- Upon completion of the course students will be able to demonstrate knowledge of their particular area of research topic along with learning of the basic economic concepts such as Demand, Supply, GDP, Inflation, Unemployment, Taxes, and Trade.

Education Dept.

CSLO

EDU200 C - Elementary School Teaching

- Students will be able to identify and discuss four current educational issues related to the philosophy, history, and politics of education as they apply to grades K-8.
- Students will be able to identify and discuss the California Teacher Performance Expectations (CTPEs) as they apply to grades K-8.
- Students will be able to identify and discuss the impact of their K-8 fieldwork experience as it relates to the development of teaching strategies in the classroom.

EDU225 C - Secondary School Teaching

- Students will be able to identify and discuss four current educational issues related to the philosophy, history, and politics of education in grades 9 - 12.
- Students will be able to identify and discuss the California Teacher Performance Expectations (CTPEs) as they apply to grades 9 - 12.

- Students will be able to identify and discuss the impact of their grade 9 - 12 fieldwork experience placement in a local high school.

Ethnic Studies Dept.

CSLO

ETHS101 C - American Ethnic Studies

- On either an in-class or out of class examination context, students will be able to effectively analyze and evaluate the history of race relations in the United States as it applies to the experiences of Native Americans, African Americans, Chicanos, and Asian Pacific Americans.

ETHS101HC - Honors American Ethnic Studies

- On either an in-class or out of class examination context, students will be able to effectively analyze and evaluate the history of race relations in the United States as it applies to the experiences of Native Americans, African Americans, Chicanos, and Asian Pacific Americans.

ETHS129 C - Intro to African-Amer. Studies

- On either an in-class or out of class examination context, students will be able to summarize effectively issues related to the social sciences that are pertinent to the African-American experience with 70% accuracy.
- On either an in-class or out of class examination context, students will be able to summarize effectively the artistic and literary contributions of African Americans to American society with 70% accuracy.
- On either an in-class or out of class examination context, students will be able to summarize effectively the development of the field of African-American Studies and its paradigms with 70% accuracy.
- On either an in-class or out of class examination context, students will be able to summarize effectively the historical development of the African-American community and the development of African-American social and political thought with 70% accuracy.

ETHS130 C - African-American History I

- On either an in-class or out of class examination context, students will be able to effectively analyze and evaluate how the processes of enslavement and resistance shaped the African American experience from the colonial era to the Civil War.

ETHS131 C - African-American History II

- On either an in-class or out of class examination context, students will be able to summarize effectively the historical experiences of African Americans during the Civil Rights and Black Power eras with 70% accuracy.
- On either an in-class or out of class examination context, students will be able to summarize effectively the historical experiences of African Americans from the 1970s to the present with 70% accuracy.
- On either an in-class or out of class examination context, students will be able to summarize effectively the historical experiences of African Americans from the Progressive era through World War II with 70% accuracy.
- On either an in-class or out of class examination context, students will be able to summarize effectively the historical experiences of African Americans from the Reconstruction period to the Jim Crow era with 70% accuracy.

ETHS150 C - Intro to Chicana-o Studies

- On either an in-class or out of class examination context, students will be able to effectively analyze and evaluate Chicana/o historical experiences and the development of Chicana/o Studies.
- On either an in-class or out of class examination context, students will be able to effectively analyze and evaluate the relationship between politics, identity and art in relation to the Chicana/o experience.

ETHS151 C - Chicana-o History I

- On either an in-class or out of class examination context, students should be able to effectively summarize the historical experiences of Chicanos/Mexican Americans from the Mexican era in the North American Southwest to the Mexican-American War and its outcome with at least 70% accuracy.
- On either an in-class or out of class examination context, students should be able to effectively summarize the historical experiences of Chicanos/Mexican Americans from the pre-Columbian era to the beginnings of the Spanish conquest and colonization of the Americas, with emphasis on the North American Southwest, with at least 70% accuracy.
- On either an in-class or out of class examination context, students should be able to effectively summarize the historical experiences of Chicanos/Mexican Americans from the Spanish colonial era in the North American Southwest to the establishment of Mexican Independence with at least 70% accuracy.

ETHS152 C - Chicana-o History II

- On either an in-class or out of class examination context, students should be able to summarize effectively the historical experiences of Chicanos/Mexican Americans from 1848 to 1900 with at least 70% accuracy.
- On either an in-class or out of class examination context, students should be able to summarize effectively the historical experiences of Chicanos/Mexican Americans from 1900 to 1950 with at least 70% accuracy.
- On either an in-class or out of class examination context, students should be able to summarize effectively the historical experiences of Chicanos/Mexican Americans from 1950 to the present with at least 70% accuracy.

ETHS153 C - Chicana-o and Latina-o Cont Is

- On either an in-class or out of class examination context, students will be able to effectively analyze and evaluate contemporary issues faced by Chicanas/os and Latinas/os in American society regarding education, criminal justice, politics, social welfare, family, religion, housing, and health care.

ETHS160 C - Native American History

- On either an in-class or out of class examination context, students should be able to summarize the experiences of pre-colonial Native American tribes and the conquest of the Americas with at least 70% accuracy.
- On either an in-class or out of class examination context, students should be able to summarize the historical experiences of Native Americans from 1890 to the present with at least 70% accuracy.
- On either an in-class or out of class examination context, students should be able to summarize the historical experiences of Native Americans in the United States starting in colonial America, from 1607 to 1776, and continuing from 1776 to 1890 with at least 70% accuracy.

ETHS170 C - Intro to Asian Pac. Am Studies

- In either an in-class or out of class context, students will be able to effectively convey/express information through experiences in speaking, writing, and other appropriate modes of communication with 70% accuracy.
- In either an in-class or out of class context, students will be able to select and evaluate the accuracy, credibility, and relevance of information sources by critiquing texts, visual media, and opinions with 70% accuracy.
- On either an in-class or out of class examination context, students will be able to relate the experiences of Asian Pacific Americans to the histories of migration, race relations, and international relations with 70% accuracy.
- On either an in-class or out of class examination context, students will be able to summarize the continuities and changes in the lives of Asian Pacific Americans from 1850 to the present with 70% accuracy.

ETHS171 C - Asian Pacific American History

- On either an in-class or out of class examination context, students should be able to compare and contrast the experiences of different groups of Asian Pacific Americans according to such factors as ethnicity, class, gender, generation, and immigration status with 70% accuracy.
- On either an in-class or out of class examination context, students should be able to summarize effectively the historical experiences of Asian Pacific Americans (immigration and settlement patterns; labor struggles and community formation; racism and the implementation of U.S. exclusionary policies; the struggles for inclusion, civil rights, and social equality) with 70% accuracy.
- On either an in-class or out of class examination context, students should be able to summarize the contemporary state of Asian Pacific America through its historical roots and current issues with 70% accuracy.

ETHS235 C - American Soc Justice Mvmt

- On either an in-class or out of class examination context, students will be able to summarize effectively the issues, strategies and outcomes of the African American Civil Rights and Black Power Movements with 70% accuracy.
- On either an in-class or out of class examination context, students will be able to summarize effectively the issues, strategies and outcomes of the Asian-American Movement with 70% accuracy.
- On either an in-class or out of class examination context, students will be able to summarize effectively the issues, strategies and outcomes of the Chicano Movement and other attempts of Latina/o activism with 70% accuracy.
- On either an in-class or out of class examination context, students will be able to summarize effectively the issues, strategies and outcomes of the Indian Movement with 70% accuracy.

ETHS298 C - Ethnic Studies Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

ETHS299 C - Ethnic Studies Ind Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

Geography Dept.

CSLO

GEOG100 C - World Geography

- Evaluate and appreciate other customs, languages, religions and cultural mixes with 70% accuracy.
- Understand the effect of climate on the shaping of mankind in various regions of the world with 70% accuracy.
- Use an Atlas and various types of maps for research with 70% accuracy.

GEOG100 HC - Honors World Geography

- Understand the effect of climate on the shaping of mankind in various regions of the world with 70% accuracy.
- Evaluate and appreciate other customs, languages, religions and cultural mixes with 70% accuracy
- Use an Atlas and various types of maps for research with 70% accuracy.

GEOG102 C - Physical Geography

- Understand wind, precipitation, and weather systems.
- Understand energy transfer as it relates to food webs, photosynthesis, and the spatial distribution of plants and animals.
- Understand the physical structure of the earth and the processes involved in plate tectonics.
- Upon completion of the course the students will: understand the relationship between the earth and sun and its effect on seasons.

GEOG102LC - Physical Geography - Lab

- Understand key principles of mapping including map/scale conversion and contour line interpretation with 70% accuracy.
- Identify latitude and longitude with 70% accuracy.
- Identify the causes of seasons by understanding the earth-sun relationship with 70% accuracy.
- Understand the processes involved with plate tectonics and the formation of landforms with 70% accuracy.
- Understand weather patterns that affect Southern California with 70% accuracy.

GEOG120 C - Introduction to Spatial Reasoning

- The student will be able to discuss and describe spatial thinking and reasoning. 2. The student will be able to recognize and discuss spatial data and patterns 3. The student will be able to represent spatial data and reasoning utilizing Geospatial software.

GEOG130 C - California Geography

- Students will be able to locate landforms, cities and significant locations in California with 70% accuracy
- Students will be able to identify the sub-regions of California with 70% accuracy.
- Students will understand the effect of climate and micro-climates on the natural and cultural regions of California with 70% accuracy.

GEOG140 C - Weather and Climate

- Students will be able to classify the forms of precipitation with 70% accuracy.
- Students will be able to interpret weather maps with 70% accuracy.
- Students will identify the geographic variables associated with tropical cyclone formation with 70% accuracy.

GEOG160 C - Cultural Geography

- Students will be able to classify locations by their unique characteristics using geographic concepts such as place and region type with 70% accuracy.
- Students will identify and explain basic population measurements with 70% accuracy.
- Students will understand the importance of language in the development of culture and identity with 70% accuracy.

GEOG202 C - Field Geography - Physical

- Students will be able to use appropriate field equipment for measuring and testing features and conditions in a field environment with 80% accuracy.
- Students will be able to interpret relationships and inter-relationships of the earth's physical features in a field environment, with 70% accuracy.
- Students will be able to use various types of maps and mapping equipment to orient themselves in the field with 90% accuracy.

GEOG230 C - Introduction to GIS

- - Students will be able to identify five common map elements.
- Students will be able to identify the three main types of projections and explain the difference between a Geographic Coordinate System vs. a Projected Coordinate System.
- Students will understand the difference between Vector and Raster Data Models.

GEOG231 C - GIS: Spatial Analysis

- Students will create and manage their own project Geodatabase.
- Students will demonstrate the ability to apply spatial analysis techniques to produce a map.
- Students will understand the difference between the structure of a Geodatabase and a Shapefile.

GEOG232 C - GIS: Analysis and Modeling

- Students will demonstrate the ability to create multiple aerial image products from satellite bands.
- Students will demonstrate the ability to model GIS workflows in ArcGIS Model Builder.

- Students will use basic python coding to automate tasks in ArcGIS Model Builder.

GEOG233 C - GIS: Advanced Internship

- Student will be able to analyze what is required to work in the field of GIS and the specific skill needed for effective performance.
- Students will demonstrate the appropriate interpersonal and communication skills needed to complete the internship contract in a professional manner.

GEOG234 C - Current Topics in GIS

- Develop the skill to accurately represent spatially related data in a final presentation, including a series of maps.
- Extend their background knowledge of spatially related data, mathematical formulas, and scientific applications to their field of study.
- Recognize and develop new data and conduct further research to determine the accuracy of their information.
- Relate updated knowledge of GIS to Geography and/or their own selected field study.

GEOG260 C - Economic Geography

- Upon completion of the course students will be able to demonstrate knowledge of countries rich in natural resources and raw materials with a 70% accuracy rate.
- Upon completion of the course students will be able to differentiate between agricultural economies and manufacturing service economies (nations) with a 70% accuracy rate.
- Upon completion of the course students will be able to differentiate between agricultural economies and manufacturing service economies (nations) with a 70% accuracy rate.

GEOG298 C - Geography Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

GEOG299 C - Geography Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

GEOL192 C - Coastal Ocean Field Studies

- Identify the unique physical features and characteristic marine organisms within various coastal environments.
- Observe and understand the physical oceanographic processes of coastal regions.

History Dept.

CSLO

HIST110 C - Western Civilizations I

- Within either an in-class or out of class examination context, students will be able to effectively analyze and evaluate the causes and impacts of events in Western Civilization history as well as the impacts of individual historical figures.

HIST110 HC - Honors Western Civilizations I

- Within either an in-class or out of class examination context, students will be able to effectively analyze and evaluate the causes and impacts of events in Western Civilization history as well as the impacts of individual historical figures.

HIST111 C - Western Civilizations II

- Within either an in-class or out of class examination context, students will be able to effectively analyze and evaluate the causes and impacts of events in modern Western Civilization history as well as the impacts of individual historical figures.

HIST111 HC - Honors Western Civilizations II

- Within either an in-class or out of class examination context, students will be able to effectively analyze and evaluate the causes and impacts of events in Modern Western Civilization history as well as the impacts of individual historical figures.

HIST112 C - World Civilizations I

- Students will be able to effectively analyze and evaluate the social, cultural, economic, anthropological and political developments of human society.
- Students will be able to effectively analyze the impacts of notable events of early world history.
- Students will be able to effectively analyze the interrelationships amongst the world's cultures.

HIST112 HC - Honors World Civilizations I

- Students will be able to effectively analyze and evaluate the social, cultural, economic, anthropological and political developments of human society.
- Students will be able to effectively analyze the impacts of notable events of early world history.

- Students will be able to effectively analyze the interrelationships amongst the world's cultures.

HIST113 C - World Civilizations II

- Students will be able to critically and effectively examine the new ideas of modern world civilizations.
- Students will be able to effectively analyze and evaluate the effects of change in modern world history.
- Students will be able to effectively analyze the impact of notable historical figures in modern world civilizations.

HIST113HC - Honors World Civilizations II

- Students will be able to critically and effectively examine the new ideas of modern world civilizations.
- Students will be able to effectively analyze and evaluate the effects of change in modern world history.
- Students will be able to effectively analyze the impact of notable historical figures in modern world civilizations.

HIST135 C - History of Africa

- Within either an in-class or out-of-class examination context students will be able to effectively analyze and evaluate the Development of Social, Political, and Economic Systems in African History.
- Within either an in-class or out-of-class examination context students will be able to effectively analyze and evaluate the impacts of notable historical figures of African History.
- Within either an in-class or out-of-class examination process, students will be able to effectively analyze the rise and fall of the various political powers in African History.

HIST142 C - History of Latin America I

- Assess the social and political status of Native American groups during the late pre-Columbian period.
- Compare and contrast the effects of those independence struggles and early nationhood in each revolutionary area and on other colonies in Latin America.
- Compare and contrast the social, cultural, economic, and political development of Spanish, Portuguese, English, French, and Dutch America, from the conquest and colonization periods to the independence period.

HIST143 C - History of Latin America II

- Analyze the causes and effects of economic growth and progress in Latin America from the 1870s to the 1900s.
- Analyze the impact of U.S. policies in World War I, World War II, and the Cold War on the relations between the United States and Latin America.
- Evaluate, compare, and contrast the legacies created by European control of Latin America.

HIST151 C - Survey of British History I

- Within either an in-class or out-of-class examination context, students will be able to effectively analyze and evaluate the causes and effects of warfare in early British History.
- Within either an in-class or out-of-class examination context, students will be able to effectively analyze the impact of notable historical figures of early British History.
- Within either an in-class or out-of-class examination context, students will be able to effectively analyze the impacts of early British history on Western Civilization.

HIST152 C - Survey of British History II

- Within either an in-class or out-of-class examination context, students will be able to effectively analyze and evaluate the causes and effects of warfare in modern British History.
- Within either an in-class or out-of-class examination context, students will be able to effectively analyze the impact of notable historical figures of Modern British History.
- Within either an in-class or out-of-class examination context, students will be able to effectively analyze the impacts of modern British history on World Civilizations.

HIST160 C - Asian Civilizations I

- Within either an in-class or out-of-class examination context students will be able to effectively analyze and evaluate the impacts of notable historical figures of early Asian History.
- Within either an in-class or out-of-class examination context students will be able to effectively analyze the impacts of the various political dynasties of early Asian Civilizations.
- Within either an in-class or out-of-class examination context students will be able to effectively compare and contrast the various Asian religions.

HIST161 C - Asian Civilizations II

- Within either an in-class or out-of-class examination context students will be able to effectively analyze and evaluate the causes and effects of warfare in modern Asian civilization.
- Within either an in-class or out-of-class examination context students will be able to effectively analyze and evaluate the impacts of notable historical figures of modern Asian History.

- Within either an in-class or out-of-class examination process, students will be able to effectively analyze the rise and fall of the various political powers in modern Asian History.

HIST163 C - History of Mexico

- Within either an in-class or out-of class examination process, students will be able to effectively analyze the impact of notable historical figures of Mexican history. ILO Tie-Ins: Breadth of Knowledge and Experience Understanding of civic society and culture
- Within either an in-class or out-of-class examination context, students will be able to effectively analyze and evaluate the causes and effects of cultural interaction in Mexican history. ILO Tie-Ins: Breadth of Knowledge and Experience Understanding of civic society and culture
- Within either an in-class or out-of-class examination process, students will critically examine the basic concepts of Mexican civilization in an effective manner. ILO Tie-Ins: Breadth of Knowledge and Experience Understanding of civic society and culture improved responses, such as an increase in the number of ideas created in areas such as politics, economics, religion and cultural ideas. (The sample would include 1-2 sections of the course each semester.)

HIST165 C - History of the Middle East

- Within either an in-class or out of class examination context, students will be able to effectively analyze and evaluate the causes and impacts of events in Middle Eastern history as well as the impacts of individual historical figures.

HIST170 C - History of the United States I

- Within an in-class or out-of-class process, students will be able to effectively analyze the impact of notable American figures of early United States History.
- Within either an in-class or out-of- class examination process, students will be able to effectively analyze the ante-bellum and Civil War eras.
- Within either an in-class or out-of-class examination context, students will be able to effectively analyze colonial and Revolutionary America.

HIST170 HC - Honors History of the United States I

- Within an in-class or out-of-class process, students will be able to effectively analyze the impact of notable American figures of early United States History.
- Within either an in-class or out-of- class examination process, students will be able to effectively analyze the ante-bellum and Civil War eras.
- Within either an in-class or out-of-class examination context, students will be able to effectively analyze colonial and Revolutionary America.

HIST171 C - History of the U.S. II

- Within either an in-class or out-of-class examination process, students will be able to compare and contrast the causes and aftermath of World War I and World War II.
- Within either an in-class or out-of-class examination process, students will be able to effectively analyze post-World War II diplomacy, foreign policy and society.
- Within either an in-class or out-of-class examination process, students will be able to effectively analyze the impact of notable historical figures of modern U.S. History.
- Within either an in-class or out-of-class examination process, students will be able to effectively analyze the social, political and economic movements of late 19th- and 20th-century U.S.

HIST171 HC - Honors History of the United States II

- Within either an in-class or out-of-class examination process, students will be able to effectively analyze the impact of notable historical figures of modern U.S. History.
- Within either an in-class or out-of-class examination process, students will be able to compare and contrast the causes and aftermath of World War I and World War II.
- Within either an in-class or out-of-class examination process, students will be able to effectively analyze post-World War II diplomacy, foreign policy and society.
- Within either an in-class or out-of-class examination process, students will be able to effectively analyze the social, political and economic movements of late 19th-and 20th-century U.S.

HIST190 C - History of the Americas I

- Within either an in-class or out-of class examination process, students will be able to effectively analyze the causes and course of the various colonial independence movements in the Americas in the 18th and 19th centuries.
- Within either an in-class or out-of-class examination context, students will be able to effectively analyze and evaluate the impact of the European Conquest of the New World on the history of the Americas.
- Within either an in-class or out-of-class examination context, students will be able to effectively analyze and evaluate the impact of the various European colonial projects of on the history of the Americas.
- Within either an in-class or out-of-class examination context, students will be able to effectively analyze and evaluate the interaction of Europeans with Native American and African cultures in the conquest of the New World.

HIST191 C - History of the Americas II

- Within either an in-class or out-of class examination process, students will be able to effectively analyze the popular movements and revolutions throughout Latin America in the 20th century.
- Within either an in-class or out-of class examination process, students will be able to effectively analyze the U.S. foreign policy in the 20th century and its impact on Latin America.
- Within either an in-class or out-of-class examination context, students will be able to effectively analyze and evaluate the difficulties facing the new nations of the Americas in the first decades of independence.
- Within either an in-class or out-of-class examination context, students will be able to effectively analyze and evaluate the economic growth and progress of North, Central, and South America in the second half of the 19th century.

HIST270 C - Women in United States History

- With either an in-class or out-of-class examination process, students will be able to effectively analyze the impact of notable female historical figures in United States history.
- With either an in-class or out-of-class examination process, students will be able to effectively assess the impact of the women's suffrage movement in United States history.
- With either an in-class or out-of-class examination process, students will be able to effectively evaluate the social, political and economic contributions and effects of the women's rights movement in 20th-century U.S.

HIST275 C - History of California

- Within either an in-class or out-of class examination process, students will be able to effectively analyze the impact of notable historical figures of modern California History.
- Within either an in-class or out-of-class examination context, students will be able to effectively analyze and evaluate the impact of Native-American cultures on California History.
- Within either an in-class or out-of-class examination context, students will be able to effectively analyze and evaluate the impact of the Gold Rush on California History.
- Within either an in-class or out-of-class examination context, students will be able to effectively analyze and evaluate the Spanish and Mexican Eras in California History.

HIST295 C - Research Methods-Oral History

- Student learning outcomes will be tailored to correspond to the student's internship assignment.

HIST298 C - History Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

HIST299 C - History Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

Human Services Dept.

CSLO

HUSR084 C - Introduction to Behavior Modification

- The student will acquire an introductory knowledge of behavior modification.
- The student will be able to discuss specific developmental disabilities.
- The student will become acquainted with basic behavioral procedures.

HUSR200 C - Introduction to Human Services

- 1. Identify human services and the ways in which they meet human needs. 2. Demonstrate skills in problem solving, data collection and evaluation as they relate to need satisfaction and human services agencies. 3. Compare and contrast public and private human services agencies and demonstrate awareness of the strengths and weaknesses of both.

HUSR210 C - Introductory Fieldwork

- The student will demonstrate a range of skills in the specialty area and will describe the utilization of these skills in an agency setting. 2. The student will complete 125 hours of service learning in a human services agency as a volunteer or paid employee providing services as described on their individual service learning contract 3. The student will receive a positive evaluation from their service learning human services site supervisor.

HUSR211 C - Advanced Fieldwork

- The student will complete 125 hours of service learning in a human services agency as a volunteer or paid employee providing services as described on their individual service learning contract.
- The student will develop the ability to utilize assessment instruments throughout the treatment process, modifying client outcome goals as necessary.
- The student will receive a positive evaluation from their service learning human services site supervisor The student will demonstrate the development and utilization of a network within the chosen field.

HUSR215 C - Introduction to Family Studies

- Analyze the concept of family in terms of family forms, developmental transitions, multiple generations, intimate relationships, financial issues, and parenting decision.
- Analyze the ways that family systems and family members influence each other.
- Examine the difference between empowerment/strengths and deficit approaches to assessment of family human services needs.

HUSR221 C - Crisis Intervention & Referral

- Demonstrate how to evaluate a client for danger to self, danger to others, medical crisis and psychotic features.
- Understand how a crisis can be both a danger situation as well as an opportunity to grow.
- Using the ABC Model demonstrate the ability to identify the stages of a crisis.

HUSR222 C - Group Leadership-Group Process

- Demonstrate effective use of interpersonal communication skills.
- Demonstrate three or more skills as a group leader.
- Identify personal strengths of an effective group facilitator.

HUSR223 C - Helping Skills-Human Services

- Demonstrate the understanding of the provision of treatment services appropriate to the personal and cultural identity and language of the client.
- Describe various counseling approaches that best suit a particular situation.
- Have an awareness of some special issues inherent in helping others (such as; legal/ethical obligations, diagnostic questions, one's individual temperament and choice of therapeutic modality, etc.)

HUSR224 C - Self-Esteem Strategies

- Student will be able to apply the functional approach to the development of self-esteem with the client in both a custodial and non-custodial setting.
- Student will be able to apply the strategies of development of self-esteem in the recovery, intervention, and treatment of individuals in recovery.
- Student will be able to facilitate and participate in solo and group activity towards the application of interventions and recognition of dysfunctional behavior/s of individuals and group members.
- The student will be able to compare and contrast the toxic and supportive individual in respect inter-personal and a comparative analysis with the intra-personal relationship in the field of Human Services.

HUSR225 C - Families and Substance Abuse

- The student at the conclusion of the class will demonstrate an understanding of the dynamics of multi-generational behaviors including addiction.
- Upon completion of the course the student will demonstrate an understanding of a variety of family therapy theoretical models.

HUSR226 C - Behavior Modification

- Have an understanding of the general theory of behavior modification.

HUSR240 C - Drugs & Alcohol in Our Society

- Have an understanding of the process of disease, addiction, and recovery.
- Identify various societal perspectives of the drug and alcohol problem in society.
- Recognize the impact of drugs and alcohol on society.

HUSR241 C - Intervention Strategies

- Demonstrate knowledge and understanding of a variety of treatment approaches for the chemically dependent client.
- Describe the impact of alcoholism and drug abuse on various segments of society.
- Identify attitudes and behaviors surrounding the use of alcohol and other drugs.

HUSR242 C - Drugs and Physiology

- Students demonstrate a critical analysis of relapse, prevention of client relapse in treatment and recovery of individuals incorporating the physiological process of disease, addiction and alcoholism. Assessment: Mid-term, final exam, research
- Students will be able to identify specific stages of alcoholism and distinguish the impact of drugs and alcohol in society.
- Students will be competent in the critical analysis and review process of the impact of drugs on the physiology of the body and psyche of the adult, teen, and fetus.

- Students will be competent in the identification and impact of the physiological effects of legal and illegal use of drugs in the United States.

HUSR243 C - Co-Occurring Disorders

- Demonstrate understanding of how alcohol/drug use can mimic or mask psychiatric problems.
- Describe the relationships between trauma, substance use disorders, and psychiatric disorders.
- Describe the ways in which a client's co-existing psychiatric disorders can interfere with treatment of the substance abuse disorder.

HUSR250 C - Sociology of Aging

- Through repeated, classroom, objective testing, students will be able to demonstrate improved knowledge of the concept, roles and basic theories of aging.
- Through repeated, classroom, objective testing, students will be able to show improved knowledge of how aging occurs in diverse populations.
- Through repeated, classroom, objective testing, students will demonstrate an increased understanding of the relationship of aging to loss, death and grief.
- Through repeated, classroom, objective testing, students will exhibit an increased understanding of the impact of aging on family relations, living arrangements, employment and social policy options.

HUSR255 C - Psychology of Aging

- Through repeated, classroom, objective testing, students will be able to demonstrate increased knowledge of the concept, roles and basic theories of aging.
- Through repeated, classroom, objective testing, students will be able to show improved knowledge of the biological and cognitive changes related to normal aging and the support of wellness in aging.
- Through repeated, classroom, objective testing, students will demonstrate an increased understanding of aging issues of physical health, mental health and the nation's health care system.
- Through repeated, classroom, objective testing, students will exhibit an increased understanding of the basic developmental and personality theories of aging and the relationship of aging to stress, coping and intimacy.

HUSR270 C - Introduction to Victimology

- Students will be able to address the theoretical perspectives in relationship between the victim and the perpetrators approach to the victimization process.
- Students will be able to identify and implement intervention strategies in the treatment of perpetrators who engage victims.
- Students will be able to understand the process of victimization and stages of recovery in stages of recovery.
- Students will demonstrate the understanding and process of recovery from post-traumatic stress disorder.
- Students will know the respective application of intervention, treatment and recovery during all stages of the adjudication process of the criminal justice system.

HUSR271 C - Society and Victimization

- Students will be able to understand the process of victimization and the multiple stages of recovery.
- Students will demonstrate knowledge and application of intervention, treatment and recovery during all stages of the adjudication process of the criminal justice process.
- Students will understand the process of recovery for post traumatic stress disorder.

HUSR275 C - Ethical Issues-Human Services

- Define and apply the rules and regulations of confidentiality.
- Define the rights of the client and/or patient.
- Identify and utilize resources for dealing with ethical dilemmas.

HUSR281 C - Prevention Strategies

- Demonstrate how to identify, evaluate and intervene when a client presents indicators of being danger to self, others or evidence of a crisis.
- Demonstrate skills in problem solving, data collection and evaluation as they relate to and human services agencies and prevention strategies.
- Demonstration of the role for the human services preventionist in protecting client rights to privacy and confidentiality in the preparation and handling of records, including third parties.
- Students will be able to demonstrate and assess the scope of sociological theories that are practiced in application of Community and Personal prevention in human services.

HUSR290 C - Human Svcs-Criminal Justice

- Students will be able to demonstrate increased understanding of the Sociological concepts and processes which define and address crime and delinquency.

- Students will be able to exhibit an increased understanding of the development of historic and modern sociological criminology theory.
- Students will be able to show an improved knowledge of the development of different attitudes and values in American culture regarding the causes and control of crime.

HUSR291 C - Counseling in Criminal Justice

- Students will be able to apply the function of the half-way house in the process of rehabilitation for the criminal justice system and identify its application in Community Corrections.
- Students will be able to identify and apply appropriate interventions for corruption in law enforcement, courts and corrections from the past to present day.
- Students will be able to identify the history, purpose and function of probation and parole from a historical perspective in the criminal justice system.
- Students will be able to identify the three inter-related components of the criminal justice system.
- Students will be able to understand the history and growth of the criminal justice system and its formation in the 21st. Century.

HUSR292 C - Introduction to Criminology

- Students will be able to address the criminal behavior of individuals in society from the biological, environmental, and/or sociological perspectives.
- Students will be able to compare and contrast the study of deviance and criminal behavior in society.
- Students will be able to distinguish between the causality and propensity of criminality in juveniles and adult behavior in Society.
- Students will be able to know the etiology of the Criminal Justice System and scientific approach to Criminal behavior.

HUSR293 C - Conflict Resolution-Mediation

- Identify forms of conflict resolution.

HUSR294 C - Careers in Criminal Justice

- Students will be able to critically analyze the requirements for occupations in the field of criminal justice for employment and the specific skills necessary for effective performance.
- Students will be able to formalize and interpret the needed components of the various types of resumes and the applicable use for each in the workplace.
- Students will become adept and evaluative as to the behaviors needed to conduct and demonstrate appropriate communication skills: both verbal and non-verbal which are to meet the desirable practices during the hiring and promotional process.
- Students will comprehensively demonstrate the understanding for personality and psychological assessment in the processing of the criminal justice employee.
- Students will demonstrate the skills needed to acquire information from professional in the criminal justice system and produce proper critical and evaluative written and verbal responses that are effective in the public and private work environment.

HUSR295 C - Cross-Cultural Criminology

- Students will be able demonstrate the benefits of cultural pluralism versus the advent of xenophobia.
- Students will demonstrate the knowledge, application and the history of forced assimilation and permissible assimilation.
- Students will know the causation, reaction and the history of racism and hate crimes in Society
- Students will know the history and comparative benefits of traditional and community policy in the minority neighborhoods.
- Students will know the impact of Stereotyping, prejudice and discrimination by minority and non-minority members of Society.

HUSR298 C - Human Services Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

Philosophy Dept.

CSLO

PHIL100 C - Introduction to Philosophy

- Critically evaluate arguments on representative topics in metaphysics and epistemology.
- State, explain, and illustrate concepts, theories, and arguments on representative topics in epistemology.
- State, explain, and illustrate concepts, theories, and arguments on representative topics in metaphysics.

PHIL100 HC - Honors Introduction to Philosophy

- Critically evaluate arguments on representative topics in metaphysics and epistemology.

- State, explain, and illustrate concepts, theories, and arguments on representative topics in epistemology.
- State, explain, and illustrate concepts, theories, and arguments on representative topics in metaphysics.

PHIL101 C - Intro to Religious Studies

- Upon completion of the course, students will be able to demonstrate an understanding of different classical approaches (i.e., Anthropology of Religion, Sociology of Religion, Economics of Religion, Phenomenology of Religion, and Comparative Religion) to the study of religion with at least 70% accuracy.
- Upon completion of the course, students will be able to demonstrate knowledge of the history of multiple major religious traditions and be able to think both empathetically and critically about conflicting religious claims within these traditions with at least 70% accuracy.
- Upon completion of the course, students will be able to demonstrate the ability to analyze sacred myths using a variety of methods with at least 70% accuracy.

PHIL110 C - Religions of the East

- Upon completion of the course, students will be able to demonstrate an understanding of the East Asian religious traditions including Taoism, Confucianism, and Shinto with at least 70% accuracy.
- Upon completion of the course, students will be able to demonstrate an understanding of the religious traditions originating on the Indian subcontinent including Hinduism, Buddhism, Sikhism, and Jainism with at least 70% accuracy.
- Upon completion of the course, students will be able to understand the nature of religion, religious studies, and religious concepts with at least 70% accuracy.

PHIL120 C - Religions of the West

- State, explain, and illustrate the history, literature, varieties, doctrines, and rituals of Christianity.
- State, explain, and illustrate the history, literature, varieties, doctrines, and rituals of Islam.
- State, explain, and illustrate the history, literature, varieties, doctrines, and rituals of Judaism.

PHIL135 C - Social & Political Philosophy

- Upon completion of the course, students given a set of authors of key readings in social and political philosophy will be capable of identifying their major works and summarizing the central theses in those works. e.g., John Dewey --> The Public and Its Problems (the problem of democracy is a problem of method, effective communication is necessary to create the Great Community), Liberalism and Social Action (the concept of freedom is contingently defined relative to the culture within which it originates, human nature is not fixed for all time)
- Upon the completion of the course, students given a set of concepts found in social and political philosophy will be capable of defining these concepts and identifying whether they originate from ancient, modern or contemporary sources. e.g., the politics of recognition --> people in multicultural societies who belong to distinct religious, cultural and ethnic groups seek acknowledgment by the state of their differences and thus special treatment despite the existence of egalitarian norms; contemporary source (Charles Taylor's essay by the same name)
- Upon the completion of the course, students given selected statements or passages from key readings in social and political philosophy will be capable of identifying their authors and paraphrasing their meaning. e.g, "Man was born free, but everywhere he is in chains" --> Jean-Jacques Rousseau, freedom is a regulative ideal, not an accomplished fact.

PHIL160 C - Introduction to Ethics

- State, explain, and critically evaluate the key concepts, theories, and arguments of Applied Ethics.
- State, explain, and critically evaluate the key concepts, theories, and arguments of Metaethics.
- State, explain, and critically evaluate the key concepts, theories, and arguments of Normative Ethics.

PHIL170 C - Logic and Critical Thinking

- Upon completion of the course, students will be able to translate ordinary language sentences into the symbolic notation of propositional logic and evaluate arguments expressed in the notation through truth tables and natural deduction techniques with at least 70% accuracy.
- Upon the completion of the course, the student will be able to detect and avoid mistakes in reasoning including formal and informal fallacies with at least 70% accuracy.
- Upon the completion of the course, the student will be able to use one or another technique of deductive logic or one or another technique of inductive logic to evaluate the validity or strength of the arguments with at least 70% accuracy.

PHIL172 C - Critical Thinking and Writing

- State, explain, and critically apply the key concepts of deductive logic.
- State, explain, and critically apply the key concepts of inductive logic.
- State, explain, and critically apply the key concepts of philosophical writing.

PHIL175 C - Symbolic Logic

- State, explain, and critically evaluate the key problems that arise in Modal Logic, Epistemic Logic, and Free Logic.
- Translate English sentences into Predicate Logic and determine the validity and invalidity of arguments formulated in Predicate Logic using Truth-Trees and Natural Deduction.

- Translate English sentences into Sentential Logic and determine the validity and invalidity of arguments formulated in Sentential Logic using Truth-Tables, Truth-Trees, and Natural Deduction.

PHIL201 C - History of Ancient Philosophy

- Students will be able to accurately (70% or more correct) answer multiple choice, true/false, short essay and fill in the blank questions concerning the influence Ancient Greek philosophy has had on more recent ideas, values, and social institutions.
- Students will be able to accurately (70% or more correct) answer multiple choice, true/false, short essay and fill in the blank questions concerning the major schools of thought and the central arguments offered by prominent thinkers of Ancient Greece.
- Students will be able to accurately (70% or more correct) answer multiple choice, true/false, short essay and fill in the blank questions which identify the major philosophical concepts and terminology from Ancient Greece.

PHIL202 C - History of Modern Philosophy

- Students will be able to accurately (70% or more correct) answer multiple choice, true/false, short essay and fill in the blank questions concerning the influence Modern philosophy has had on contemporary ideas, values, and social institutions.
- Students will be able to accurately (70% or more correct) answer multiple choice, true/false, short essay and fill in the blank questions concerning the major schools of thought and the central arguments offered by prominent thinkers of Modern philosophy.
- Students will be able to accurately (70% or more correct) answer multiple choice, true/false, short essay and fill in the blank questions which identify the major philosophical concepts and terminology from the Modern period of philosophy.

PHIL230 C - Philosophy of Religion

- State, explain, and critically evaluate the key concepts, theories, and arguments against Theism.
- State, explain, and critically evaluate the key concepts, theories, and arguments for and against Miracles and Immortality.
- State, explain, and critically evaluate the key concepts, theories, and arguments for Theism.

PHIL240 C - Jesus and His Interpreters

- Critically Evaluate arguments for and against representative scholars' interpretations of Jesus
- State, Explain, and Illustrate representative scholars' interpretations of Jesus
- State, Explain, and Illustrate the critical methods used in the scholarly interpretation of Jesus

PHIL298 C - Philosophy Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

PHIL299 C - Philosophy Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

PHIL400 C - Business Ethics

- After taking this course students should be able to: adapt skills, abilities, or methodologies from Philosophy and apply them to business or organizational contexts in order to solve ethical problems or explore ethical issues in novel ways.
- After taking this course students should be able to: identify and apply the major moral theories of the Western philosophical canon to standard issues in business ethics.
- After taking this course students should be able to: recognize, analyze, and critique business ethics arguments that are part of the contemporary academic literature and public dialogue in this area.

Political Science Dept.

CSLO

POSC100 C - United States Government

- Students should be able to analyze influences from political parties, interest groups, and the media on U.S. electoral and political systems.
- Students should have a basic knowledge of the major theories and philosophical underpinnings of the American political system, e.g. Social Contract Theory, Federalism, Confederation, Republicanism
- Students will be able to explain the processes of Separation of Powers, and Check and Balances and how they impact the three branches of government.

POSC100 HC - Honors United States Government

- Students should be able to analyze influences from political parties, interest groups, and the media on U.S. electoral and political systems.
- Students should have a basic knowledge of the major theories and philosophical underpinnings of the American political system, e.g. Social Contract Theory, Federalism, Confederation, Republicanism.
- Students will be able to explain the processes of Separation of Powers, and Check and Balances and how they impact the three branches of government.

POSC100HC - Honors U.S. Government

- Students should be able to analyze influences from political parties, interest groups, and the media on U.S. electoral and political systems.

POSC101 C - Gender and American Politics

- Students will be able to compare and contrast the first and second waves of feminism and their respective goals and challenges in changing the American political system.
- Students will be able to describe the evolution of women's participation in the political system, e.g. political parties, interest groups, and the policy-making process. Assessment: Core concepts related to SLO 4
- Students will demonstrate an understanding of basic structure of American Government and its institutions, including democracy, representative government, federalism, and the system of checks and balances, as well as the political and legal reforms that have shaped changes in the political status of women.
- Students will demonstrate knowledge of the impact of the women's movement, feminist theories, and feminist research methods, on the American political system.

POSC120 C - Political Theory

- Students will be able to compare and contrast Conservative theorists, Liberal theorists, and Socialist theorists, and their understanding of human nature.
- Students will be familiar with a range of theoretical debates, such as: What is the nature of justice? How are economic and political democracy related? What is the relationship between the state and the family? How does political community contribute to human development? What is the relationship between morality and politics?
- Students will demonstrate a familiarity with a spectrum of political theorists, from ancient to modern.

POSC135 C - Campaigns, Parties and Elections

- Students should demonstrate a basic understanding of the political parties, political campaigns, and the two-party system, that comprise the American political system.
- Students will become aware of the system campaign finance, campaign finance reform, and its implications for the electoral process.
- The student will demonstrate an understanding of the American Electoral process.

POSC200 C - Intro to Political Science

- Students should demonstrate a basic understanding of the political actors, institutions, functions, and political processes that comprise the American political spectrum.
- Students will become aware of diverse political and economic systems in the developed and developing states.
- The student will demonstrate an understanding of the institutions that are common to almost all governments in the world including the legislature, executive and judicial branches, and compare and contrast the structural differences among political systems.

POSC209 C - Urban Politics

- Demonstrate knowledge of the key features of urban government and politics.
- Students should be able to explain the formal decision making process in American cities focusing on the role of ideas, actors, and institutions.
- Students should have a basic understanding of the problems facing American cities today, including issues of race and gender, poverty and inequality, immigration, governance, technological change, economics and public finance.

POSC210 C - Contemporary Political Issues

- Demonstrate an understanding of the most salient contemporary political issues at the local, regional, national, and global levels.
- Demonstrate knowledge of both the Parliamentary and Presidential forms of government, and their different impacts on policy making process and policy outcomes.
- Demonstrate knowledge of three models of decision making in regard to public policy issues (i.e. Elite Model, Pluralist Model, and Popular Rule Model).

POSC215 C - Comparative Politics

- Students should be able to compare similarities and differences across countries which are usually grouped as "democratic" and "transitional," and "authoritarian." What are the characteristics of a democratic system?
- Students should demonstrate a knowledge of basic ideological frameworks that they can use to identify and explain differences in political systems and political life across a set of diverse states and regions of the world.
- Students should demonstrate an understanding of "Third World" or "Less Developed Countries (LDCs)" and examine ways and reasons why these countries differ from the "rich" or Economically Developed Countries (EDCs).

POSC216 C - Politics of the Middle East

- Analyze the political, religious, social and economic forces that have shaped the region in the 20th century.
- Students will be able to identify key issues that continue to mold Middle East affairs, e.g. Palestine-Israel conflict, Iraq War.
- Students will understand the background to political developments in the contemporary Middle East, including the role of external actors in shaping these developments.

POSC230 C - International Relations

- Students will also have a detailed understanding of the major perspectives in international relations: realism, idealism, and peace studies. Assessment: Core concepts related to SLO 3
- Students will have a general understanding of relations among nation-states, international organizations, non-state actors and international public policy.
- Students will understand common concepts such as power, sovereignty, rule of law, human rights, global governance, participation, and equity as related to each subject area.

POSC298 C - Political Science Seminar

- Outcomes will vary depending on selected research topic.

POSC299 C - Pol Sci Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

Psychology Dept.**CSLO****PSY101 C - Introduction to Psychology**

- Upon completion of Introduction to Psychology, the student should be able to demonstrate an increased understanding of human stress, psychological disorders, and psychotherapy.
- Upon completion of Introduction to Psychology, the student should be able to demonstrate an increased understanding of the concepts and theories central to the study of developmental and social psychology.
- Upon completion of Introduction to Psychology, the student should be able to demonstrate an increased understanding of the concepts and theories central to the study of motivation, emotion, and human sexuality.
- Upon completion of Introduction to Psychology, the student should be able to demonstrate an increased understanding of the various schools of thought and research methods used in psychology.
- Upon completion of Introduction to Psychology, the student should be able to demonstrate an increased understanding of: the biological basis of behavior, theories of learning, and cognitive processes (such as memory and intelligence).

PSY101 HC - Honors Introduction to Psychology

- The SLOs are the same as for PSY101. Upon completion of General Psychology, students should be able to demonstrate an increased understanding of: 1) the various schools of thought and research methods used in psychology. 2) the biological basis of behavior, theories of learning, and cognitive processes (such as memory and intelligence). 3) the concepts and theories central to the study of motivation, emotion, and human sexuality. 4) the concepts and theories central to the study of developmental and social psychology. 5) human stress, psychological disorders, and psychotherapy.

PSY110 C - Applied Psychology

- Students will be able to differentiate between healthy and unhealthy behaviors with regard to everyday life including stress and coping, interpersonal communication, friendship, intimate relationships, and marriage, career work, and sexuality.
- Students will demonstrate knowledge of theories and research from the field of applied psychology, including Psychoanalytic, Humanistic, Socio-cultural, Cognitive Behavioral, Biological, and Evolutionary perspectives.
- Students will exhibit knowledge of psychological principles of development, personality, self and psychological disorders, and how these impact the individual.

PSY120 C - Human Sexuality

- Students will be able to demonstrate improved knowledge of typical and atypical behavioral and psychological sexual variations including gender identity issues and sexual orientation.
- Students will be able to demonstrate increased understanding of personal responsibility for sex and sexual health including contraception and sexually transmitted infections
- Students will exhibit an increased understanding of intimate relationship skills such as communication, sexual victimization and sex therapy.
- Students will show improved knowledge of lifelong sexuality learning including physiological, psychological and sociological sexual development and sex education.

PSY131 C - Cross-Cultural Psychology

- Outcome: Upon successful completion of PSY 131 C Cross Cultural Psychology, students will be able to describe how culture influences gender roles, personality traits, and social behavior.
- Outcome: Upon successful completion of PSY 131 C Cross Cultural Psychology, students will be able to describe how culture influences health, psychological well-being, the expression of psychological disorders, and methods of psychotherapy.
- Outcome: Upon successful completion of PSY 131 C Cross Cultural Psychology, students will be able to describe the various types of research methodologies used in cultural and cross cultural psychology research, including the potential methodological biases that can arise from intercultural comparisons.

- Outcome: Upon successful completion of PSY 131C Cross Cultural Psychology, students will be able to define individualism and collectivism and understand the distinction between culture, race, and ethnicity.
- Outcome: Upon successful completion of PSY 131C Cross Cultural Psychology, students will be able to describe how culture influences identity development, parenting practices, and cognitive and emotional processes.

PSY139 C - Developmental Psychology

- Comparing/contrasting the major psychological theories of development.
- Describing the interplay between biological, social, and cognitive factors in shaping human development.
- Differentiating between group and individual differences that shape human development.
- Identifying major developmental milestones and normative behavior at each stage of development.

PSY145 C - Child Psychology

- Comparing/contrasting the major psychological theories of child development.
- Describing the interplay between biological, social, and cognitive factors in shaping child development.
- Differentiating between group and individual differences that shape child development.
- Identifying major developmental milestones and normative behavior at each stage of child development.

PSY161 C - Probability & Stats-Social Sci

- Provided a set of data, students will memorize computational formula for the variance and standard deviation and complete a calculation of these values.
- Provided with a set of data or problem in context, students will identify Type I and Type II error, identify significance based upon critical values, alpha and p and identify appropriate inferential statistical conclusions.
- Provided with a set of data, students will calculate descriptive statistics, by hand and using statistical analysis software, including: the mean, variance, standard deviation, and standard error.
- Students will demonstrate the process of a hypothesis test from the statement of hypotheses to the appropriate statement of conclusion.

PSY161 HC - Honors Probability and Statistics-Social Sciences

- Provided a set of data, students will memorize computational formula for the variance and standard deviation and complete a calculation of these values.
- Provided with a set of data or problem in context, students will identify Type I and Type II error, identify significance based upon critical values, alpha and p and identify appropriate inferential statistical conclusions.
- Provided with a set of data, students will calculate descriptive statistics, by hand and using statistical analysis software, including: the mean, variance, standard deviation, and standard error.
- Students will demonstrate the process of a hypothesis test from the statement of hypotheses to the appropriate statement of conclusion.

PSY202 C - Research Methods in Psychology

- Develop a research idea using techniques and technology of literature review.
- Plan, implement and report upon an original student research project.
- Refine a research idea into a cohesive problem statement and hypothesis based upon literature review.

PSY221 C - The Brain and Behavior

- Given models and or diagrams of neurons, students will be able to correctly identify the various functions of neuron structures.
- Given models and or diagrams of neurons, students will be able to correctly identify the various neuron structures.
- Given models and or diagrams of the brain, students will be able to correctly identify its various structures.
- Given models and or diagrams of the brain, students will be able to correctly identify the various functions of its various structures..

PSY222 C - Abnormal Psychology

- Upon completion of Abnormal Psychology, the student should be able to demonstrate an increased understanding of: Compare and contrast different conceptual approaches to understanding the causes of abnormal behavior.
- Upon completion of Abnormal Psychology, the student should be able to demonstrate an increased understanding of: Compare and contrast major groupings of abnormal behavior/psychological disorders.
- Upon completion of Abnormal Psychology, the student should be able to demonstrate an increased understanding of: Demonstrate a thorough knowledge of the etiology, symptoms, and treatment of psychological disorders.
- Upon completion of Abnormal Psychology, the student should be able to demonstrate an increased understanding of: Demonstrate factual knowledge by defining important terms in abnormal psychology.

PSY251 C - Social Psychology

- Upon completion of this course, students should be able to demonstrate an increased understanding of:
 - the various theoretical perspectives and research methods used in social psychology.
 - the social self, social cognition biases, and the relationship between attitudes and behavior.
 - the influence of genes, culture, and gender on social behavior, social influence, and persuasion.
 - the dynamics of aggression, prejudice, and interpersonal attraction.
 - the dynamics of helping behavior, conflict, and peace-making.

PSY255 C - Psychology of Aging

- Through repeated, classroom, objective testing, students will be able to demonstrate increased knowledge of the concept, roles and basic theories of aging.
- Through repeated, classroom, objective testing, students will be able to show improved knowledge of the biological and cognitive changes related to normal aging and the support of wellness in aging.
- Through repeated, classroom, objective testing, students will demonstrate an increased understanding of aging issues of physical health, mental health and the nations health care system.
- Through repeated, classroom, objective testing, students will exhibit an increased understanding of the basic developmental and personality theories of aging and the relationship of aging to stress, coping and intimacy.

PSY298 C - Psychology Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

PSY299 C - Psychology Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

Social Science Dept.

CSLO

SOSC295 C - Research Methods-Oral History

- Student learning outcomes will be tailored to correspond to the student's internship assignment.

SOSC298 C - Social Sciences Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

SOSC299 C - Social Science - Ind. Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

Sociology Dept.

CSLO

SOC101 C - Introduction to Sociology

- Through repeated, classroom, objective tests, students will be able to demonstrate improved knowledge of the sociological perspective and the three core theories of sociology.
- Through repeated, classroom, objective tests, students will be able to demonstrate increased understanding of social institutions and social stratification by social class, race and gender.
- Through repeated, classroom, objective tests, students will be able to show improved knowledge of the socialization process, the development of self and deviance.
- Through repeated, classroom, objective tests, students will exhibit an increased understanding of culture, cultural diversity and cultural change.

SOC101 HC - Honors Introduction to Sociology

- Honors students are expected to demonstrate enhanced analysis and understanding of Introduction to Sociology concepts. SLO 1. Through repeated, classroom, objective tests, students will be able to demonstrate improved knowledge of the sociological perspective and the three core theories of sociology.
- Through repeated, classroom, objective tests, students will be able to demonstrate increased understanding of social institutions and social stratification by social class, race and gender.
- Through repeated, classroom, objective tests, students will be able to show improved knowledge of the socialization process, the development of self and deviance.
- Through repeated, classroom, objective tests, students will exhibit an increased understanding of culture, cultural diversity and cultural change.

SOC102 C - Social Problems

- Outcome: Students will demonstrate a greater knowledge of social problems associated with cultural conflicts, cultural diversity, and cultural changes.
- Outcome: Students will demonstrate a greater understanding of deviant behavior as it correlates with the functions and dysfunctions of mores, folkways, laws, taboos, social institutions.

- Outcome: Students will demonstrate a greater understanding of how prejudice and discrimination impacts societal inequality.
- Outcome: Students will demonstrate improved knowledge of sociological perspectives and the three core theories of sociology.

SOC161 C - Probability & Stats-Social Sci

- Provided a set of data, students will memorize computational formula for the variance and standard deviation and complete a calculation of these values.
- Provided with a set of data or problem in context, students will identify Type I and Type II error, identify significance based upon critical values, alpha and p and identify appropriate inferential statistical conclusions.
- Provided with a set of data, students will calculate descriptive statistics, by hand and using statistical analysis software, including: the mean, variance, standard deviation, and standard error.
- Students will demonstrate the process of a hypothesis test from the statement of hypotheses to the appropriate statement of conclusion.

SOC161 HC - Honors Probability and Statistics-Social Sciences

- Provided a set of data, students will memorize computational formula for the variance and standard deviation and complete a calculation of these values.
- Provided with a set of data or problem in context, students will identify Type I and Type II error, identify significance based upon critical values, alpha and p and identify appropriate inferential statistical conclusions.
- Provided with a set of data, students will calculate descriptive statistics, by hand and using statistical analysis software, including: the mean, variance, standard deviation, and standard error.
- Students will demonstrate the process of a hypothesis test from the statement of hypotheses to the appropriate statement of conclusion.

SOC225 C - Sociology of Women

- Through repeated classroom, objective tests students will be able to demonstrate knowledge of the three major feminist theories and frameworks in the context of sociology of women.
- Through repeated, classroom objective tests, students will be able to demonstrate knowledge of the historical and political overview of feminism.
- Through repeated, classroom objective tests, students will be able to demonstrate the ability to examine the relationship of gender and culture in American society.

SOC250 C - Sociology of Aging

- Through repeated, classroom, objective testing, students will be able to demonstrate improved knowledge of the concept, roles and basic theories of aging.
- Through repeated, classroom, objective testing, students will be able to show improved knowledge of how aging occurs in diverse populations.
- Through repeated, classroom, objective testing, students will demonstrate an increased understanding of the relationship of aging to loss, death and grief.
- Through repeated, classroom, objective testing, students will exhibit an increased understanding of the impact of aging on family relations, living arrangements, employment and social policy options.

SOC275 C - Marriage and Family

- Students will be able to demonstrate improved knowledge of the sociological perspectives and the three core theories (functional, conflict, and symbolic interaction).
- Students will be able to demonstrate improved understanding of decision making and communication styles in the context of marriage and family by examining: marriage conflict, conflict management, and power and violence.
- Students will be able to demonstrate improved understanding of family dynamics, family diversity, and family changes.

SOC277 C - Sociology of Religion

- Students will be able to demonstrate an improved knowledge of the concept of religion in sociology and the primary reason for the limitations of sociology's empirical study of religion.
- Students will be able to demonstrate an increased understanding of the functions and dysfunctions of religion in society including the concept of state religion.
- Students will be able to show an increased knowledge of the fundamental study of religion by sociologists Emile Durkhem, Max Weber and Karl Marx.
- Students will exhibit an increased understanding of sociology and the three core theories of sociology.

SOC292 C - Introduction to Criminology

- Students will be able to address the criminal behavior of individuals in society from the biological, environmental, and/or sociological perspectives.
- Students will be able to compare and contrast the study of deviance and criminal behavior in society.
- Students will be able to distinguish between the causality and propensity of criminality in juveniles and adult behavior in Society.
- Students will be able to know the etiology of the Criminal Justice System and scientific approach to Criminal behavior.

SOC298 C - Sociology Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

SOC299 C - Sociology Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

Student Services
Admissions and Records
CSLO No CSLOs
Associated Students and Student Activities
CSLO No CSLOs
Campus Safety
CSLO No CSLOs
Career Planning Center
CSLO No CSLOs
Charger Experience/ Pledge
CSLO No CSLOs
Counseling and Student Development
CSLO No CSLOs
Disability Support Services (DSS)
CSLO No CSLOs
Dual Enrollment
CSLO No CSLOs
English Success Center (ESC)
CSLO No CSLOs
EOPS/ CARE CalWORKS
CSLO No CSLOs
Financial Aid
CSLO No CSLOs
Health Center
CSLO

No CSLOs
International Students Program (ISP)
CSLO No CSLOs
Student Equity Achievement Committee/ Integrated Planning
CSLO No CSLOs
Transfer Center
CSLO No CSLOs
Veteran Resource Center
CSLO No CSLOs

Student Support Services Div.
Associated Students/Student Activities
CSLO No CSLOs
CalWORKs
CSLO No CSLOs
EOPS/CARE/Guardian Scholars
CSLO No CSLOs
Financial Aid
CSLO No CSLOs
Student Health Center
CSLO No CSLOs
Veterans Resource Center
CSLO No CSLOs

VoTech - Vocational/Technical Div.
Air Conditioning-Refrigeration Dept.
CSLO AC/R035 C - Building Commissioning <ul style="list-style-type: none"> In a class room environment, the student will be able to determine the operating characteristics of a supply air fan with not less than 70% accuracy. AC/R036 C - Refrigerants, Charging & Recov <ul style="list-style-type: none"> In a classroom environment, the student shall apply refrigerant management techniques based on an instructor selected equipment and application perimeter, in which the student shall select the proper replacement refrigerant and refrigerant oil application with at least 70%

accuracy.

- In a classroom environment, the student shall demonstrate proficiency using a Temperature - Pressure Chart by solving and identifying refrigerant state and condition from an instructor given set of system perimeters and refrigerant application with at least 70% accuracy.
- In a classroom environment, the student will be able to compare and contrast the differences in equipment application between R-22 and R-410A refrigerants, demonstrating the proper application of equipment, tools and procedures to perform an instructor field service problem with at least 70% accuracy.
- In a laboratory classroom environment, the student will perform, verbally explain and demonstrate the proper procedure for the evacuation, refrigerant charge and system evaluation of an instructor identified vapor compression refrigeration system with at least 70% accuracy.
- In a laboratory classroom environment, the student will perform, verbally explain and demonstrate the proper procedure for vapor refrigerant recovery of an instructor identified vapor compression refrigeration system with at least 70% accuracy.

AC/R050 C - HVAC-R Special Projects

- In a laboratory classroom environment, the student shall explain and demonstrate the proper use and application of different power and hand tools.
- In a laboratory classroom environment, the student shall explain and demonstrate the proper use and application of specialty tools related to the HVACR industry (ex. Vacuum pump, manifold gauge set, sling psychrometer, etc.)

AC/R055 C - Technician Customer Relations

- In a class room environment, the student will be able to identify and describe the attributes and steps necessary to overcome customer objections and sell service agreements and equipment during a mock situation as set up by the instructor with at least 70% accuracy.
- In a classroom environment, the student shall be able to identify, interpret and process the attitudes and aptitudes to handle customer interruptions and misunderstandings through a mock verbal situation staged by the instructor with at least 70% accuracy of favorable outcome.

AC/R100 C - Prin of Therm. Dyn./Heat Tra

- In a classroom environment, the student will be able to draw a refrigeration diagram of a single stage vapor compression mechanical refrigeration system and be able to identify all of the major system components, identify all the refrigerant system accessories, identify the refrigerant lines and the condition of the refrigerant in each component with at least 70% accuracy.
- In a classroom environment, the student will be able to properly verbally describe the vapor compression refrigeration cycle of an instructor identified single stage refrigeration system, using the proper industry terminology to identify the system components, accessories, refrigerant lines and the condition and direction of flow of the refrigerant in each part of the system cycle with at least 70% accuracy.

AC/R105 C - Electricity for A/C & Refrig I

- In a laboratory classroom environment, the student will be able to verbally describe and demonstrate the sequence of operation of an instructor identified piece of equipment or operating electrical board trainer, using the proper industry terminology, with at least 70% accuracy.
- In a laboratory classroom environment, the student will be able to apply Ohm's Law to either hypothetical or operating electrical circuits by identifying and calculating circuit characteristics of given values or by measured values using an ammeter and voltmeter with at least 70% accuracy.
- In a laboratory classroom environment, the student shall be able to draw a ladder schematic wiring diagram and describe the sequence of operation from an instructor identified piece of operating equipment or operating electrical board trainer with at least 70% accuracy.
- In a laboratory classroom environment, the student will be able to select the correct electrical components from the laboratory supplied components, wire the components and operate the circuit from an instructor given application with at least 70% accuracy.

AC/R106 C - Electricity for A/C & Refrig II

- In a laboratory classroom environment, the student shall be able to describe and demonstrate the concept of the temperature pressure relationship of an instructor given fluid changing state in heat transfer in regards to temperature and the pressure with at least 70% accuracy.

AC/R110 C - Air Conditioning I

- In a classroom environment, the student shall properly size an air duct system, with a ductulator, to provide the correct air quantities as provided by the instructor with at least 70% accuracy
- In a classroom environment, the student will properly navigate and plot points on a psychrometric chart to correctly determine the values of dry bulb temperature, wet bulb temperature, dew point, relative humidity, absolute grains of moisture, sensible heat ratio, sensible enthalpy, latent enthalpy and total enthalpy from instructor given information with at least 70% accuracy.
- In a laboratory classroom environment, the student shall perform instructor required air flow measurements, with the air flow instrumentation as identified by the instructor, to calculate and determine the air flow rate of a given operating air duct system with at least 70% accuracy.
- In a laboratory classroom environment, the student shall proper identify all aspects of a sheet metal duct work system, using proper industry terminology, including construction techniques, all fittings, connections and diffusers as found on an instructor identified air duct system or representation of an air duct system with at least 70% accuracy.

AC/R115 C - Gas Heat Transfer Systems

- In a class room environment, the student will be able to identify types of hydronic piping systems with not less than 70% accuracy.

- In a laboratory classroom environment, the student shall be able to interpret and explain the sequence of operation for the heating cycle of an instructor identified gas furnace with at least 70% accuracy.
- In a laboratory classroom environment, the student shall be able to measure and record an analysis with the correct instrument to interpret the data collected for combustion analysis on an instructor identified gas furnace with at least 70% accuracy.
- In a laboratory classroom environment, the student shall be able to properly use a manometer, thermometers and a combustion analyzer to determine if a gas furnace, as identified by the instructor, is fired correctly with at least 70% accuracy.

AC/R120 C - Piping Practice/Tools & Safety

- In a laboratory classroom environment, the student shall be able to identify and select the correct brazing materials for an instructor identified material and joint specification and be able to demonstrate and perform the required brazing operation with and oral sequence and explanation of the process with at least 70% accuracy.
- In a laboratory classroom environment, the student shall be able to properly identify and describe various instructor identified black iron pipe and/or brass flare and/or copper pipe fittings with at least 70% accuracy.
- In a laboratory classroom environment, the student shall be able to properly swage and/or flare a piece of copper tubing as identified by the instructor with a demonstration of proper technique with the proper hand tools with at least 70% accuracy.

AC/R125 C - Boiler & Hydronic Heating

- In a class room environment, the student will be able to identify types of hydronic piping systems with not less than 70% accuracy.
- In a class room environment, the student will be able to remove air from a hydronic water system with not less than 70% accuracy.

AC/R135 C - Solar Energy for Heat and Cool

- In a class room environment, the student will be able to analyze solar water heating system application with not less than 70% accuracy.
- In a class room environment, the student will be able to characterize the performance and operating characteristics of PV system and components with not less than 70% accuracy.

AC/R137 C - Blueprints & Dimen. Analysis

- In a classroom environment, the student shall perform, calculate, solve and layout a duct work system for sheet metal fabrication from a given set of field dimensions and site conditions or from a given blueprint plan set with at least 70% accuracy.
- In a laboratory classroom environment, the student shall perform and demonstrate blueprint dimensioning from a set of blueprints, to solve an instructor assigned field problem with at least 70% accuracy.
- In a laboratory classroom environment, the student shall perform and demonstrate the field measurement of an instructor identified space, calculate and problem solve for a set of given quantities with at least 70% accuracy.

AC/R140 C - Plumbing Principles and Practices

- In a laboratory classroom environment, the student shall be able to identify and select the correct fitting materials for an instructor identified material and joint specification and be able to demonstrate and perform the required connection operation with and oral sequence and explanation of the process with at least 70% accuracy.
- In a laboratory classroom environment, the student shall be able to identify and select the correct soldering materials for an instructor identified material and joint specification and be able to demonstrate and perform the required soldering operation with and oral sequence and explanation of the process with at least 70% accuracy.
- In a laboratory classroom environment, the student shall be able to properly identify and describe various instructor identified black iron pipe and/or brass flare and/or copper pipe fittings with at least 70% accuracy.

AC/R145 C - Load Calcs for Heat/Cool

- In a classroom environment, the student shall be able to calculate heat transfer gains from internal equipment and occupancy of an instructor given commercial building set of blueprints and parameters with at least 70% accuracy
- In a classroom environment, the student will be able to calculate heat transfer rates through the walls, roof and glass (external envelope) of an instructor given commercial building set of blueprints and parameters with at least 70% accuracy.
- In a classroom environment, the student will be able to determine the amount of heat gain from window leakage, for opening and outside air (as result of fresh air requirements and exhaust fans) of an instructor given commercial building set of blueprints and parameters with at least 70% accuracy.
- In a laboratory classroom environment, the student shall be able to interpret and evaluate the building envelope for the purpose of proper demonstrating the use of industry standard computer load estimating program.

AC/R205 C - Commercial Air Conditioning

- In a class room environment, the student will be able to describe the sequence of operation of the absorption system with not less than 70% accuracy.
- In a class room environment, the student will be able to describe the sequence of the basic refrigeration cycle with not less than 70% accuracy.

AC/R210 C - Commercial Refrigeration

- In a class room environment, the student will be able to determine the terminal identification of a single-phase compressor with not less than 70% accuracy.
- In a class room environment, the student will be able to explain the operation and components used for the pump down cycle with not less than 70% accuracy.

AC/R215 C - Codes & Estimating for HVACR

- In a class room environment, the student will be able to estimate labor and materials for air conditioning, piping and refrigeration systems with not less than 70% accuracy.
- In a class room environment, the student will be able to select the applicable equipment that will conform to local and national building codes with not less than 70% accuracy.

AC/R220 C - A/C Controls & Energy Mgt.

- In a class room environment, the student will be able to draw basic diagram of how input and output modules function with not less than 70% accuracy.
- In a class room environment, the student will be able to explain the function of: a. Amplifiers b. Bilateral switches c. Capacitors d. Diodes with not less than 70% accuracy.

AC/R225 C - Green A/C and Auditing

- In a class room environment, the student will be able to determine the amperage, wattage and efficiency of an air conditioning system with not less than 70% accuracy.
- In a class room environment, the student will be able to measure and confirm the air conditioning efficiency with not less than 70% accuracy.

AC/R230 C - Heat Pumps

- In a class room environment, the student will be able describe the operation of a reversing valve with not less than 70% accuracy.
- In a class room environment, the student will be able to describe the sequence of operation for the heat cycle of a heat pump with not less than 70% accuracy.

AC/R235 C - Air Conditioning Capstone

- In a classroom laboratory situation, the student shall orally present a capstone competitive, industry focused design, build bid project complete with project design, equipment selection and data, installation schedules, code applications with design considerations for an assigned theoretical commercial facility.

AC/R240 C - Green Refrigeration and Auditing

- In a class room environment, the student will be able to determine the amperage, wattage and efficiency of a display case fan motor with not less than 70% accuracy
- In a class room environment, the student will be able to measure and confirm the compressor efficiency with not less than 70% accuracy.

AC/R260 C - Crew Leadership Fld. Spvsr.

- In a classroom/ field environment, create a field safety program.
- In classroom environment, create goal statements, goal objectives, short interval plans, project schedules with balanced field crew teams based from a set of blueprints or hypothetical project.
- List the steps essential for an effective on-the-job training program.

AC/R265 C - Project Management

- The student shall be able to develop an effective and achievable project schedule with complete cost estimates and measurable project progress of deliverables and performance with a quality control plan based on a set of blueprints.

AC/R298 C - Air Conditioning and Refrigeration Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

AC/R298FC - Air Conditioning Program Integration

- In a classroom environment, the student will be able to draw a refrigeration diagram of a single stage vapor compression mechanical refrigeration system and be able to identify all of the major system components, identify all the refrigerant system accessories, identify the refrigerant lines and the condition of the refrigerant in each component with at least 70% accuracy.
- In a laboratory classroom environment, the student shall be able to draw a ladder schematic wiring diagram and describe the sequence of operation from an instructor identified piece of operating equipment or operating electrical board trainer with at least 70% accuracy.
- In a laboratory classroom environment, the student shall be able to identify and select the correct brazing materials for an instructor identified material and joint specification and be able to demonstrate and perform the required brazing operation with and oral sequence and explanation of the process with at least 70% accuracy.

Automotive Collision Repair Dept.**CSLO****ACR001 C - Auto Collision Repair Tech I**

- In the Automotive Collision Repair laboratory students will be able to perform repairs using metal finishing and filler techniques including: A. MIG welding in the flat position B. Remove and install or replace bolted parts

- Upon completion of the first semester, students will understand the sheetmetal repair process and will be able to identify equipment and tools used in the collision repair industry.

ACR002 C - Auto Collision Repair Tech II

- In the Automotive Collision Repair laboratory students will perform increasingly complex sheet metal repairs including replacement, alignment and adjustment of bolted assemblies within specific timeframes. MIG welding in the second semester will be performed in the vehicle position.
- Upon completion of the second semester, students will be able to identify repair processes necessary to return a vehicle to its pre-accident condition. Students will identify vehicles using the VIN and other identification plates facilitating the correct ordering of parts and materials.

ACR003 C - Auto Collision Repair Tech III

- Students will use body repair manuals, service manuals and the Internet to find specifications and repair techniques necessary to repair collision damaged vehicles.
- Upon completion of the third semester, students will set up vehicles for structural repair and diagnose minor structural damage. Students will replace welded assemblies and will Mig weld in the overhead position.

ACR004 C - Auto Collision Repair Tech IV

- Students will perform repairs on moderate to heavily damaged vehicles. Students will repair assigned vehicles with minor direction.
- Students will setup vehicles for damage appraisal. Students will successfully perform the ICAR Mig welding pre-test

ACR007 C - Refinishing Technician I

- In the Automotive Collision Repair laboratory students will be able to perform repairs using surface preparation and application techniques including: Hand and Machine sanding of substrates. Application of sub-coats and successive topcoats
- In the Automotive Collision Repair laboratory students will color match and tone paint to match a pre-existing paint condition. Assessment Plan: Instructor will evaluate students familiarity with draw down cards, Mylar sheets and spray out cards necessary for correct toner choices when color matching. Instructor will evaluate student toner choices to achieve a correct blend to o.e.m. finish. Written examination will verify student comprehension of the color matching process.
- Upon completion of the first semester, students will understand the paint repair process and will be able to identify equipment and tools used in the automotive refinishing industry.
- Upon completion of the second semester, students will be able to locate, read and understand paint codes from various manufacturers.
- Upon completion of the third semester, students will be able to spot and blend solid and metallic colors with HVLP spray guns to an acceptable match.

ACR008 C - Refinishing Tech II

- In the Automotive Collision Repair laboratory students will be able to perform repairs using surface preparation and application techniques including: Hand and Machine sanding of substrates. Application of sub-coats and successive topcoats
- In the Automotive Collision Repair laboratory students will color match and tone paint to match a pre-existing paint condition.
- Upon completion of the first semester, students will understand the paint repair process and will be able to identify equipment and tools used in the automotive refinishing industry.
- Upon completion of the second semester, students will be able to locate, read and understand paint codes from various manufacturers.
- Upon completion of the third semester, students will be able to spot and blend solid and metallic colors with HVLP spray guns to an acceptable match.

ACR009 C - Refinishing Technician III

- In the Automotive Collision Repair laboratory students will color match and tone paint to match a pre-existing paint condition.
- Students will be able to locate, read and understand paint codes from various manufacturers.
- Students will be able to spot and blend solid and metallic colors with HVLP spray guns to an acceptable match.
- Students will understand the paint repair process and will be able to identify equipment and tools used in the automotive refinishing industry. Assessment: Students will take a multiple choice exam and achieve a 70% or higher grade based on the National Institute for Automotive Service Excellence (ASE) formatted questions for each of the National Automotive Technicians Education Foundation (NATEF) units of instruction which includes: ASE B2: Collision Painting and Refinishing A. Surface Preparation B. Spray Gun Operation and related Equipment C. Paint Mixing Matching and Applying D. Solving Paint Application Problems E. Finish Defects, Causes and Cures F. Safety Precautions Outcome: In the Automotive Collision Repair laboratory students will be able to perform repairs using surface preparation and application techniques including: Hand and Machine sanding of substrates. Application of sub-coats and successive topcoats

ACR012 C - Collision Damage Appraisal

- Upon completion of the course students will be able to generate a hand written damage estimate using a Mitchell estimating guide

ACR013 C - Computerized Auto Damage Appra

- Upon completion of the course students will be able to generate an automated estimate in the two principle estimating systems: Mitchell Ultramate and CCC Pathways.

ACR020 C - Auto Detail/Car Care-Beg

- Cypress College Career Technical Division Student Learning Outcomes Course Report 2008-2009 ACR 020AC – Automotive Detailing STATEMENT OF STUDENT LEARNING OUTCOMES: Upon completion of this class, students should be able to: 1. Within the context of a skills lab assessment, and a comprehensive written final examination, students will be able with a 70% or greater accuracy to... accurately identify detail chemicals, processes, tools and equipment; correctly use detail chemicals, processes, tools and equipment in the detailing of automobiles; understand the theory and diagnosis of paint conditions; demonstrate skill competencies in paint condition identification, measuring paint thicknesses, washing, waxing, polishing, and interior care. 2. Within the context of assigned projects and worksheets, students will demonstrate with a 70% or greater accuracy... their ability to develop customer history records; develop pre- and post-inspection forms.

ACR021 C - Advanced Auto Detailing

- Cypress College Career Technical Division Student Learning Outcomes Course Report 2008-2009 ACR 020BC – Advanced Automotive Detailing STATEMENT OF STUDENT LEARNING OUTCOMES: Upon completion of this class, students should be able to: 1. Within the context of a skills lab assessment, and a comprehensive written final examination, students will be able with a 70% or greater accuracy to... accurately identify the important business organization activities, legal requirements, location determination and other variables associated with starting an Automotive Detailing business; accurately identify customer service issues; demonstrate the correct use of detail chemicals, processes, tools and equipment, and advanced level detailing techniques; understand the theory and diagnosis of paint conditions; demonstrate skill competencies in paint condition identification, measuring paint thicknesses, and proper selection of chemicals. 2. Within the context of assigned projects and worksheets, students will demonstrate with a 70% or greater accuracy... their ability to receive and deliver vehicles, communicate with customers, and develop vehicle history records;

ACR030 C - Electrical Sys. & Comp. Repair

- Students will setup vehicles for damage appraisal. Students will successfully perform repairs on components, Electrical using "DVOM" and multimeter. repair SMC and urethane and or plastics identified in the automobile. Identify and repair "SRS" systems. Safely repair a High bred Vehical.

ACR040 C - Structural Alignment Repair

- Upon completion of the course students will be able to correctly identify existing structural damage.
- Upon completion of the course students will be able to correctly set-up damage measuring gauges

ACR050 C - ACR/Special Projects

- Upon completion of the first semester the student will be able to disassemble and reassemble automotive sheet metal and their subassemblies within a given time frame.
- Upon completion of the first semester the student will be able to perform minor dent repair including metal finishing and filler application.

ACR055 C - Auto Collision Work Experience-Vocational

- Upon completion of the first semester students will be able to successfully interview with prospective employers in the Automotive Collision Industry.
- Upon completion of the first semester students will be able to successfully interview with prospective employers in the Automotive Collision Industry.

ACR060 C - Collision Repair Management

- Student will develop a basic understanding of vehicle check in/assignment, as well as movement through the production process. Student will develop a basic understanding of financial statements: including the income statement and balance sheet. Student will be able to determine gross profit margins and compare any business to industry standards. Student will be able to discuss the duties and responsibilities of a production manager. Students will develop a basic understanding of "Write it Right" from the Bureau of Automotive Repair. Students will be able to analyze basic shop layout and design and determine the most efficient plan.

ACR070 C - Automotive Color Matching

- Upon completion of the course students will be able to evaluate color match problems with metallic and pearl colors in terms of color group, color direction and purity.
- Upon completion of the course students will develop a basic understanding of color, light and vision theory as it relates to automotive color matching.

ACR298 C - Automotive Collision Repair Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

Automotive Technology Dept.

CSLO

AT050 C - Auto Tech Special Projects

- Given the appropriate worksheet, lab vehicle to correspond to the worksheet and the appropriate tools to complete the worksheets, the students will be able to successfully complete those worksheets in the following areas: 1. Gain practical experience commensurate with the number of hours spent working on instructor approved projects. 2. Write an accurate estimate of repairs and accurately fill out a complete repair order. 3. Prepare and maintain a safe work environment consistent to Industry Standards.

AT102 C - Automotive History

- By the end of the semester, students will demonstrate the basic concepts of Automotive Systems according to industry standards as

defined by the National Automotive Technicians Education Foundation (NATEF) with 70 % accuracy.

AT104 C - Automotive Technology Repair Laboratory

- By the end of the semester, students will demonstrate the basic concepts of Automotive Systems according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70 % accuracy.

AT105 C - Automotive Electrical I

- In the Automotive Technology laboratory, students will demonstrate basic hands-on skills in areas related to industry standards with 90% or greater accuracy.
- Upon completion of the semester, students will demonstrate the knowledge of basic concepts of Automotive Electrical according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT106 C - Automotive Electrical II

- In the Automotive Technology laboratory, students will demonstrate basic hands-on skills in areas related to industry standards with 90% or greater accuracy.
- Upon completion of the semester, students will demonstrate the knowledge of all P1 and most P2 level concepts of Automotive Electrical according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT107 C - Automotive Electrical III

- In the Automotive Technology laboratory, students will demonstrate advanced hands-on skills in areas related to industry standards with 90% or greater accuracy.
- Upon completion of the semester, students will demonstrate the knowledge of basic concepts of Automotive Electrical according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT109 C - Introduction to Toyota Automotive Technology

- Given the appropriate worksheets, the student will be able complete the tasks assigned within the appropriate time as listed in the areas of automotive technology as listed National Automotive Technicians Education Foundation; Toyota TPORT, Vehicle Identification, Vehicle Identification labels, Use of TIS, Tool use and safety, vehicle inspections, use of Techstream, maintenance services, reading tire codes, tire service, TPMS, performing PDS, writing estimates.

AT110 C - Intro to Automotive Technology

- In the Automotive Technology laboratory, students will demonstrate basic hands-on skills in areas related to industry standards with 90% or greater accuracy.
- Upon completion of the semester, students will demonstrate the knowledge of basic concepts of Automotive Technology according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT111 C - Automotive Quick Service

- Given the appropriate worksheets, the student will be able complete the tasks assigned within the appropriate time as listed in the following areas of automotive technology as found in the National Automotive Technicians Education Foundation; Toyota TPORT, Vehicle Identification, Vehicle Identification labels, Use of TIS, Tool use and safety, vehicle inspections, use of Techstream, maintenance services, reading tire codes, tire service, TPMS, performing PDS, writing estimates.

AT112 C - Toyota Electrical Systems

- Outcome:SLO #2 In the Automotive Technology laboratory, students will demonstrate basic hands-on skills in areas related to industry standards with 90% or greater accuracy.
- Upon completion of the semester, students will demonstrate the knowledge of basic concepts of Automotive Electrical according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT115 C - Automotive Air Conditioning

- By the end of the semester, students will demonstrate the basic concepts of Automotive Service and according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70 % accuracy.
- In the Automotive Technology laboratory students will successfully demonstrate basic hands-on skills in areas related to automotive service and repair according to industry standards based on NATEF standards?

AT120 C - Auto Engine Repair/Machining

- By the end of the semester, students will demonstrate the basic concepts of Automotive Engine and Engine Rebuilding Systems according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70 % accuracy.
- Student Learning Objective # 2 In the Automotive Technology laboratory students will successfully demonstrate basic hands-on skills in areas related to automotive chassis and brake systems according to industry standards based on NATEF standards

AT121 C - Auto Engine Mechanical Concept

- In the Automotive Technology laboratory, students will demonstrate basic hands-on skills in areas related to industry standards with 90% or greater accuracy.?
- Upon completion of the semester, students will demonstrate the knowledge of basic concepts of Automotive Engine Performance (A1) according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT130 C - Auto Chassis and Brake Systems

- Student Learning Objective # 1 By the end of the semester, students will demonstrate the basic concepts of Automotive Chassis and Brake Systems according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70 % accuracy.

AT140 C - Auto Drivetrains/Transmissions

- By the end of the semester, students will demonstrate the basic concepts of automotive drivetrain systems including differentials, manual transmissions, and automatic transmissions according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70 % accuracy.
- By the end of the semester, students will demonstrate the basic hands on skills required to diagnose, repair, and rebuild automotive drivetrain components including differentials, manual transmissions, and automatic transmissions according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF)

AT141 C - T-TEN Drivetrain and Transmissions

- By the end of the semester, students will demonstrate the basic concepts of automotive drivetrain systems including differentials, manual transmissions, and automatic transmissions according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70 % accuracy.
- By the end of the semester, students will demonstrate the basic hands on skills required to diagnose, repair, and rebuild automotive drivetrain components including differentials, manual transmissions, and automatic transmissions according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF)

AT150 C - Auto Performance/Driveability

- In the Automotive Technology laboratory, students will demonstrate basic hands-on skills in areas related to industry standards with 90% or greater accuracy.?
- Upon completion of the semester, students will demonstrate the knowledge of basic concepts of Automotive Engine Performance according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT170 C - Clean Air Car Level 1 and 2

- In the Automotive Technology laboratory, students will demonstrate skills for BAR related Smog Inspection, Testing and Diagnosis as prescribed by the CA BAR Level 1 and Level 2 curriculum with 90% or greater accuracy.
- Upon completion of the semester, students will demonstrate the knowledge of Automotive Emission System Operation, California BAR Smog Inspection Procedures and Test/Repair License requirements, according to standards as defined by the Bureau of Automotive Repair with 70% or greater accuracy.

AT171 C - Advanced Clean Air Car Course

- Course is being deactivated

AT195 C - Automotive Service Advisor

- In the Automotive Technology laboratory, students will demonstrate skills in areas related to industry standards with 90% or greater accuracy.?
- Upon completion of the semester, students will demonstrate the knowledge of Service Advisor skills according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT200 C - Electronic and Electrical Diagnostics

- In the Automotive Technology laboratory, students will demonstrate basic hands-on skills in areas related to industry standards with 90% or greater accuracy.
- Upon completion of the semester, students will demonstrate the knowledge of basic concepts of Automotive Electrical according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT209 C - Toyota Portfolio TPORT

- By the end of the semester, students will assemble a portfolio based on completion of assigned Toyota/Lexus eLearning content, related ASE test results for T-TEN year one, resume, cover letter and other portfolio requirements as assigned (NATEF) with 100 % accuracy.

AT211 C - Toyota Professional Series I

- By the end of the semester, students will demonstrate the basic concepts of Automotive Service and according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70 % accuracy.
- In the Automotive Technology laboratory students will successfully demonstrate basic hands-on skills in areas related to automotive service and repair according to industry standards based on NATEF standards?

AT212 C - Toyota Professional Series II

- By the end of the semester, students will demonstrate the basic concepts of Automotive Service and according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70 % accuracy.
- In the Automotive Technology laboratory students will successfully demonstrate basic hands-on skills in areas related to automotive service and repair according to industry standards based on NATEF standards?

AT213 C - Toyota Portfolio II TPORT (II)

- By the end of the semester, students will complete the T-TEN portfolio tasks including 320 hours of work at a Toyota or Lexus dealer as an entry level technician, pass the related ASEs for the core courses each semester, complete assigned e-Learning and maintain their T-TEN portfolio work log and progress log.

AT215 C - ASE Test Prep - Heating and A/C

- Upon completion of the semester, students will demonstrate the knowledge of basic concepts of automotive heating and air conditioning systems according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT220 C - Lower Engine Blueprinting

- By the end of the semester, students will demonstrate the basic concepts of Automotive Service and according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70 % accuracy.
- In the Automotive Technology laboratory students will successfully demonstrate basic hands-on skills in areas related to automotive service and repair according to industry standards based on NATEF standards?

AT221 C - Upper Engine Blueprinting

- By the end of the semester, students will demonstrate the basic concepts of Automotive Service and according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70 % accuracy.
- In the Automotive Technology laboratory students will successfully demonstrate basic hands-on skills in areas related to automotive service and repair according to industry standards based on NATEF standards?

AT225 C - ASE Test Prep - Engine Repair

- Upon completion of the semester, students will demonstrate the knowledge of basic concepts of automotive engine repair according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT230 C - Advanced Alignment and Chassis

- By the end of the semester, students will demonstrate the basic concepts of Automotive Chassis Systems according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70 % accuracy.?
- In the Automotive Technology laboratory students will successfully demonstrate basic hands-on skills in areas related to automotive chassis systems according to industry standards based on NATEF standards

AT235 C - ASE Test Prep - Brakes

- Student Learning Objective By the end of the semester, students will demonstrate the basic concepts of the Automotive Brake Systems according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70 % accuracy.

AT236 C - ASE Test Prep - Steering/Suspension

- Students will demonstrate the knowledge of basic concepts of automotive steering and suspension systems according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT245 C - ASE Test Prep - Manual Transmission

- Upon completion of the semester, students will demonstrate the knowledge of basic concepts of automotive manual transmissions and drivetrain systems according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT246 C - ASE Test Prep-Automatic Transmission

- Upon completion of the semester, students will demonstrate the knowledge of basic concepts of automotive automatic transmission systems according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT250 C - Advanced Performance and Driveability

- By the end of the semester, students will demonstrate the basic concepts of Automotive Performance and Driveability according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) in the ASE area A8 with 70 % accuracy.

AT255 C - ASE Test Prep - Engine Performance

- Upon completion of the semester, students will demonstrate the knowledge of basic concepts of automotive engine performance and it's related systems according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT256 C - ASE Test Prep - Advanced Engine Performance

- Upon completion of the semester, students will demonstrate the knowledge of basic concepts of automotive advanced engine performance and emission control systems according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT265 C - ASE Test Prep - Electrical

- Upon completion of the semester, students will demonstrate the knowledge of basic concepts of automotive electrical systems according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70% or greater accuracy.

AT280 C - Introduction to Alternative Fuels

- Students will demonstrate modern analytics of gaseous fueled and hybrid vehicles with 70% accuracy.

- Students will demonstrate the practical skills needed for assessment, diagnostics and maintenance of gaseous fueled and hybrid vehicles.
- Students will demonstrate the practical skills needed for removal and replacement of gaseous and hybrid vehicle components with 70% accuracy.

AT281 C - Intro to Elec-Hybrid Vehicles

- By the end of the semester, students will demonstrate the basic concepts of Automotive Electrical Systems according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70 % accuracy.

AT282 C - Hybrid Vehicle Maintenance

- By the end of the semester, students will demonstrate the basic concepts of Automotive Electrical Systems according to industry standards as defined by the National Automotive Technicians Education Foundation (NATEF) with 70 % accuracy.

AT295 C - Automotive Internship

- Student will develop marketable skills in preparation for employment or advancement in current job. 2. Student will develop competencies and skills to further their professional development and be competitive in the workforce. 3. Students will apply specific and measureable career objectives that reflect new and enhanced competencies in the workforce.

AT298 C - Automotive Service Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

Aviation and Travel Careers Dept.

CSLO

ATC050 C - Special Projects

- In industry related learning opportunities, students that will demonstrate mastery in the skills identified in their individual learning objectives. Evidence of those skills will be documented in the student's career portfolio.

ATC100 C - Introduction to Aviation

- Given an aviation company, students will research, analyze, produce, and present a research project as a work sample for inclusion in the students' career portfolio that demonstrates subject matter understanding.

ATC101 C - Introduction to Travel Careers

- Given a simulated travel request, students will research, produce, and present to their peers a quality travel project as a work sample for inclusion in the students' career portfolio that demonstrates subject matter understanding in the complexities of international travel documentation, guidance, and advisories. Students will achieve a 70% or better in proficiency.

ATC102 C - Career Communication/Portfolio

- In a capstone project that simulates the oral and written preparation recommended for a job interview, students will prepare for a behavioral interview and present a quality career portfolio, including resume, cover letter, and work samples consistent with professional business conventions.

ATC103 C - Aviation/Travel Open Lab

- Given the Advisory Board's core skills recommendations, students will be able to practice competencies, achieving a 70% or higher score on a competency checklist.

ATC104 C - Air Transportation

- Given a specific airline, students will research, produce and present to their peers their findings about the influence of the government, economics, and technology on the development and success or demise of that airline.

ATC112 C - Homeland Security

- Given a simulated homeland security event, students will research, produce, and present a quality presentation to their peers as a work sample worthy of inclusion in the students' Career Portfolio, demonstrating subject matter proficiency.

ATC116 C - Aviation/Transportation Security

- Given a simulated aviation security incident, students will research, produce, and present a quality presentation to their peers as a work sample worthy of inclusion in the students' Career Portfolio, demonstrating subject matter proficiency.

ATC118 C - Disaster Preparedness/Response

- Given a simulated disaster, students will research, produce, and present a quality disaster preparedness project to their peers that demonstrates subject matter proficiency that will be documented in the students' career portfolio.

ATC123 C - Travel Sales & Tour Operations

- Students will research, write, and present a capstone project for inclusion in their career portfolio that demonstrates subject matter understanding in the areas of travel sales and tour operations.

ATC126 C - Travel Management

- Given a simulated management challenge, students will research, produce, and present a written quality management project using visuals

for inclusion in the students' career portfolio that demonstrates subject matter proficiency in a selected area of airline or travel management.

ATC132 C - Private Pilot

- Given a simulated flight, students will be able to develop a flight plan using the knowledge of aircraft performance and limitations while considering the weather, terrain, available navigation aids and compliance with all regulatory requirements.

ATC136 C - Air Navigation

- In a simulated flying experience, students will be able to plan a cross-country flight using pilotage, dead reckoning, and radio/electronic navigation techniques. Students will also be able to make changes in the flight plan as the situation (terrain, weather, etc.) may change during the flight.

ATC140 C - Meteorology

- Given simulated weather considerations either at an airport or en-route, students will be able to interpret and apply the information obtained in weather briefings, reports, forecasts and other weather products, using a vocabulary of aviation weather terms and knowledge of essential weather producing processes of the atmosphere.

ATC144 C - Aircraft and Engines

- Given a flight situation, students will be able to develop a plan using the knowledge of the aircraft and engine performance and limitations and regulatory requirements. Given a maintenance situation, students will be able to determine the difference between Preventative Maintenance, Minor Maintenance and Major Maintenance and develop a plan to have the aircraft properly maintained with the appropriate updating of the aircraft records.

ATC152 C - Glider Pilot

- Given a specific set of glider performance characteristics, departure airport and weather information, students will prepare a Flight Profile for a proposed cross country flight.

ATC160 C - UAV-UAS Basic

- Given a simulated UAV flight, students will be able to develop a flight plan using the knowledge of UAV performance and limitations within all regulatory requirements.

ATC161 C - UAV-UAS Basic Simulator

- Students will plan and successfully fly a simulated UAV flight in a flight training device within regulatory guidelines, with 70% or better accuracy scores.

ATC162 C - UAV-UAS Basic Flight

- Students will plan and successfully fly a UAV flight within regulatory guidelines, with 70% or better accuracy scores.

ATC174 C - Destinations: Americas/Europe

- Given a simulated travel request, students will research, produce, and present to their peers a quality travel project as a work sample for inclusion in the students' career portfolio that demonstrates subject matter understanding in the complexities of international travel documentation, guidance, and advisories.

ATC175 C - Destinations: Africa/Pacific

- Given an international destination, students will research, produce, and present to their peers a quality travel project for inclusion in the students' career portfolio that demonstrates subject matter understanding in the complexities of international travel documentation, guidance, and advisories.

ATC180 C - Tourism and Conference Management

- Given a simulated travel conference, students will research, produce, and present to their peers a quality project as a work sample worthy of inclusion in the students' Career Portfolio that demonstrates subject matter understanding in the complexities of conference planning.

ATC182 C - Cultural Tourism

- Students will research, produce, and present to their peers a cultural tourism project as a work sample for inclusion in the their career portfolio that demonstrates subject matter understanding in the complexities of cultural tourism.

ATC183 C - Customer Care: Airline/Travel

- Students will research, produce, and present to their peers a project on the Passenger Bill of Rights as a work sample for inclusion in the their career portfolio that demonstrates subject matter understanding in the complexities of customer service expectations and passenger rights.

ATC189 C - Flight Training Device - Introduction

- Students will demonstrate the proper use of flight controls for level flight, turns, climbs and descents, achieving a 70% or higher score on the Basic Pilot Checklist

ATC190 C - Flight Training-Private Pilot

- Given simulated reservation scenarios, students will research, produce, and present a quality project as a work sample worthy of inclusion in the students' Career Portfolio that demonstrates subject matter understanding in the complexities of SABRE airline reservations.
- Students will present to a Cypress College Aviation Instructor their Private Pilot Certificate, which will indicate a score of 70% or better on the required Federal Aviation Administration Knowledge Exam and satisfactory completion of the Practical Flight Test.

ATC191 C - Airline Reservations: APOLLO

- Given simulated reservation scenarios, students will research, produce, and present a quality project as a work sample worthy of inclusion in the students' Career Portfolio that demonstrates subject matter understanding in the complexities of APOLLO airline reservations.

ATC192 C - Airline Reservations: SABRE

- Given simulated reservation scenarios, students will research, produce, and present a quality project for inclusion in the students' career portfolio that demonstrates subject matter understanding in the complexities of SABRE airline reservations.

ATC193 C - Flight Trng-Flight Instructor

- Students will present to a Cypress College Aviation instructor their Flight Instructor Certificate(s), which will indicate a score of 70% or better on the required Federal Aviation Administration Knowledge Exam and satisfactory completion of the Practical Flight Test.

ATC194 C - Flight Trng Instrument Rating

- Students will present to a Cypress College Aviation instructor their Instrument Rating, which will indicate a score of 70% or better on the required Federal Aviation Administration Knowledge Exam and satisfactory completion of the Practical Flight Test.

ATC195 C - Flight Trng Commercial Pilot

- Students will present to a Cypress College Aviation instructor their Commercial Pilot Certificate, which will indicate a score of 70% or better on the required Federal Aviation Administration Knowledge Exam and satisfactory completion of the Practical Flight Test.

ATC196 C - Flight Simulator Private Pilot

- Students will plan and successfully fly a simulated VFR (visual flight rules) cross-country flight in a flight training device, with 70% or better accuracy scores.

ATC197 C - Flight Simulator Instrument

- Students will plan and successfully fly a simulated IFR (instrument flight rules) cross-country flight in a flight training device, with 70% or better accuracy scores.

ATC198 C - Flight Simulator Commercial

- Students will plan and successfully fly a simulated commercial cross-country flight in a flight training device, with 70% or better accuracy scores.

ATC199 C - Flight Simulator Instructor

- Students will plan and successfully fly a simulated cross-country flight in a flight training device as an instructor, with 70% or better accuracy scores

ATC210 C - Cabin Safety Simulation

- Given a cabin safety simulation, students will demonstrate cabin evacuation and/or safety procedures.

ATC212 C - Airline/Aviation Management

- Research, produce, and present a capstone project (including an essay and Power Point) that represents subject matter proficiency.

ATC220 C - Advanced Air Navigation

- Given a simulated long range, over ocean flight, the student will identify the navigation and communication systems that will be utilized during the flight and the modern systems used in the planning of the flight.

ATC223 C - Cruise Line Sales & Operations

- Given a simulated client request, students will research, produce, and present a cruise line report as a work sample in the students' career portfolio that demonstrates subject matter proficiency in documentation, value pricing, cruise guidance information, tour considerations, insurance, and safety/security guidelines.

ATC232 C - Instrument Rating

- Given a simulated flight, students will successfully demonstrate the proper use of aircraft instruments in compliance with all appropriate Federal Regulations and procedures appropriate to instrument flight. Students will achieve a 70% or better in proficiency, which will be documented in their Career Portfolio.

ATC236 C - Aerodynamics

- Given a simulated aerodynamic challenge, students will research, produce, and present to their peers a quality resolution in the form of a project for their Career Portfolio that demonstrates understanding in the complexities of aircraft performance within the basic laws of physics, aircraft limitations, and Federal Aviation Regulations. Students will achieve a 70% or better in subject matter proficiency.

ATC240 C - Commercial Pilot Seminar

- Given a simulated commercial flight situation, students will be able to develop a flight plan using their knowledge of aircraft performance and limitations while considering the weather, terrain, available navigation aids and regulatory requirements. Students will be able to satisfactorily complete the ground requirements for an FAA, 24 month flight review.
- Students will acquire the requisite knowledge to be able to perform the duties of a commercial pilot and be able to pass a simulated FAA knowledge exam.

ATC244 C - Aviation Instructor

- Given an aviation topic, the student will be able to prepare and present a ground or flight lesson covering the assigned subject.

ATC250 C - Turbine Simulator Observation

- Students will demonstrate the basic functions of the flight displays, switches, and controls in a turbine flight simulator with 70% or better success on the pilot checklist.

ATC255 C - Turbine Simulator Orientation

- Students will demonstrate the fundamentals of flight using the flight deck's switches, controls, and instruments, achieving a 70% or better on the Pilot Checklist Assessment.

ATC256 C - Crew Resource Management

- Given a simulated aviation accident or incident, students will produce and present to their peers a quality resolution in the form of a project for their career portfolio that demonstrates understanding of the roles of human factors and crew resource management and aeronautical decision making in aviation safety. Students will achieve a 70% or better in subject matter proficiency.

ATC260 C - UAV-UAS Advanced

- Given an advanced simulated UAV flight, students will be able to develop a flight plan using the knowledge of unmanned aircraft systems (UAS) and limitations within all regulatory requirements.

ATC261 C - UAV-UAS Advanced Simulator

- Students will plan and successfully fly a simulated UAV over 55 in a flight training device within regulatory guidelines, with 70% or better accuracy scores.

ATC262 C - UAV-UAS Advanced Flight

- Students will plan and successfully fly a simulated UAV over 55 in a flight training device within regulatory guidelines, with 70% or better accuracy scores.
- Students will plan and successfully fly an advanced UAV flight within regulatory guidelines, with 70% or better accuracy scores.

ATC270 C - Airline Operations

- Given an airline, students will research, produce, and present a project to their peers that demonstrates subject matter understanding in the complexities of airline operations. The essay, Power Point, and fact sheet will be documented in the students' career portfolio.

ATC271 C - Airport Operations

- Given an airport, students will research, produce, and present a project for inclusion in the student's career portfolio that demonstrates subject matter understanding in the complexities of airport operations.

ATC274 C - Passenger Services & Safety

- Given an airline accident or incident, students will research, produce, and present a report that demonstrates subject matter understanding in the complexities of aviation emergencies. The project, including essay, Power Point, and fact sheet, will be documented in the students' career portfolio.

ATC278 C - Public Relations

- Students will research, produce, and present a capstone project for inclusion in their career portfolio that demonstrates subject matter understanding in the complexities of public relations in the aviation or travel industries.

ATC295 C - Aviation/Travel Internship

- Students will analyze their work experience in relation to their studies and their employer's expectations in an Internship Report, presented and documented in the Career Portfolio

ATC298 C - Aviation/Travel Seminar

- To be determined with each seminar class, but will be documented in a capstone project to be included in the student's portfolio.

ATC299 C - Independent Study

- Students will present to Cypress College a quality research project for their Career Portfolio that demonstrates advanced understanding in an area of airline or travel related study.

Energy and Sustainable Technol Dept.

CSLO

EST100 C - Renewable & Sustainable Energy

- Given the appropriate worksheet, the student will be able complete the tasks assigned within the appropriate time as listed in the following areas of safety as listed in the published standards of the National Fire Protection Association and OSHA.

EST110 C - Tools and Safety

- Given the appropriate worksheet, the student will be able complete the tasks assigned within the appropriate time as listed in the following areas of safety as listed in the published standards of the National Fire Protection Association and OSHA.

EST120 C - Digital Controls and Inverters

- Given the appropriate worksheet, the student shall be able complete the tasks assigned within the appropriate time as listed in the following areas of electronic controls as listed in the published standards of the National Fire Protection Association, OSHA, and ANSI.

EST130 C - Solar Photovoltaics-install

- In a class room environment, the student will be able to characterize the performance and operating characteristics of PV system and components with not less than 70% accuracy.

EST135 C - Solar Concentrators-Hot Water

- In a class room environment, the student will be able to analyze solar water heating system application with not less than 70% accuracy.

EST140 C - Wind Turbine Drive Trains

- Given the appropriate worksheet, the student will be able complete the tasks assigned within the appropriate time as listed in the following areas of safety, maintenance, and service as listed in the published standards of the National Fire Protection Association, OSHA, ANSI, and accepted industry standards.

EST145 C - Wind Turbine Power Generation

- In a laboratory classroom environment, the student shall be able to wire a complex wind turbine power generation electrical circuit from an instructor provided specification with at least 70% accuracy.
- In a laboratory classroom environment, the student will be able to select the correct electrical components from the laboratory supplied components, wire the components and operate the circuit for a wind turbine generator application with at least 70% accuracy.

EST150 C - Advanced Geo-thermal Concepts

- In a classroom environment, the student will be able to draw a geo-thermal system and be able to identify all of the major system components, identify all the refrigerant system accessories, identify the refrigerant & water lines and the condition of the refrigerant & water in each component with at least 70% accuracy.
- In a classroom environment, the student will be able to properly verbally describe the geo-thermal cycle of an instructor identified geo-thermal system, using the proper industry terminology to identify the system components, accessories, refrigerant & water lines and the condition and directional flow of the refrigerant & water in each part of the system cycle with at least 70% accuracy.

Hotel, Restaurant, Culinary Ar Dept.**CSLO****HRC100 C - Nutrition**

- Students will evaluate personal food choices, eating patterns and nutrient intakes by applying nutrient composition calculations to a personal diet history. Project will include a dietary comparison evaluation of a 3-day food journal to the USDA MyPlate dietary recommendations. Students will identify food sources of nutrients and provide recommendations to make different food choices to align to recommendations. Students will achieve a 75% or better proficiency evaluation on this Diet Analysis Project.

HRC101 C - Intro to Hospitality Mgmt

- Upon completion of the course, students will develop a personalized career plan outlining chosen career pathway to include industry structure, career outlook, operational expectations, required skills and industry trends. The student will achieve a 75% or better subject matter proficiency.

HRC120 C - Sanitation and Safety

- Upon completion of Allergen training, students will acquire knowledge in Food Safety as it applies to food allergies. Students will demonstrate knowledge of procedures for serving individuals who indicate they have a food allergies with 75% or better subject matter proficiency.
- Upon completion of Sanitation and Safety, students will acquire knowledge in Food Safety and Sanitation. Students will demonstrate an understanding of providing safe food, forms of contamination, flow of food throughout operations, management systems within operations, pest management, cleaning and sanitizing of kitchen and front of house with 75% or better subject matter proficiency.

HRC125 C - Restaurant Management

- Students will demonstrate proficiency of necessary food and beverage technical skills and management necessary for successful operations.

HRC135 C - Culinary Fundamentals I

- During lab evaluation, students will produce a designated entree and/or savory product using standard procedures and recipes. The student will achieve a 75% proficiency score or better using lab grading rubric which evaluates the final product based on method, timing, appearance, texture, and overall taste.

HRC136 C - Baking Fundamentals I

- During lab evaluation, students will produce a designated dessert and/or bakery product using standard procedures. The student will achieve a 75% proficiency score or better using lab grading rubric which evaluates the final product based on method, time management skills, organization, standard sanitation and safety, appearance, texture, and overall taste.

HRC145 C - The Art of Garde Manger

- During lab evaluation, students will produce a designated Garde Manger item(s). The student will achieve a 75% proficiency score or better using lab grading rubric which evaluates the final product based on method, timing, appearance, texture, and overall taste.

HRC152 C - Menu Planning and Purchasing

- Upon completion of the Menu Planning and Purchasing class, students will acquire knowledge in menu layout, design, pricing, sales performance and menu selection factors with 75% or better in subject matter proficiency on the Menu Design course project.

HRC160 C - Hotel Operations

- Upon completion of the Hotel Operations course, students will develop a written report and present a strategic and comprehensive hotel profile including mission statement, vision, brand portfolio, competitive advantages, social media presence and career paths with 70% or better subject matter proficiency.

HRC164 C - Hospitality Law

- Upon completion of the Hospitality Law course, students will identify and develop a legal business plan for a hospitality entity incorporating all relevant legal policies and best practice preventative measures. Students will achieve a 75% proficiency or better on the Hospitality Legal Business Plan Grading Rubric.

HRC170 C - Beverage Management

- Upon completion of the Beverage Management class, students will acquire knowledge of beverage purchasing, risk-liability management, responsible customer service, beverage pricing, food and wine pairings, alcohol regulations, purchasing, storage and loss prevention.

HRC230 C - Hospitality Leadership

- Upon completion of the Hospitality Leadership class, students will perform a leadership assessment highlighting strengths and weaknesses. Students will critique and develop personal goals and action plans for leadership improvement.

HRC231 C - Cost Control in Hospitality

- Upon completion of Cost Control, students will acquire knowledge of the principles of cost control, evaluate revenue management, identify and solve problems to keep costs low and profit margins high in hospitality operations with a 75% score or better on the National Restaurant Association "Cost Control in Hospitality" certification test.

HRC232 C - Special Event Management

- Upon completion of the Special Events Management course, students will gain knowledge as to how to execute a successful special event. Students will understand the importance of planning, incorporating themes, event set up and break down, creating banquet event orders, staffing, purchasing considerations, and cost control with 75% or better subject matter proficiency.

HRC235 C - Culinary Fundamentals II

- During lab evaluation, students will produce a designated appetizer and/or entree product using learned cooking procedures and create a standardized recipe. The student will achieve a 75% proficiency score or better using lab grading rubric which evaluates the final product based on method, timing, appearance, texture, and overall taste.

HRC236 C - Baking Fundamentals II

- During lab evaluation, students will produce a designated dessert and/or bakery product using standard procedures. The student will achieve a 75% proficiency score or better using lab grading rubric which evaluates the final product based on method, timing, organization, sanitation, safety, appearance, texture, and overall taste.

HRC246 C - Pastry Arts

- During lab evaluation, students will produce a designated dessert and/or bakery product using standard procedures. The student will achieve a 75% proficiency score or better using lab grading rubric which evaluates the final product based on method, timing, organization, sanitation, safety, appearance, texture, and overall taste.

HRC255 C - American Regional Cuisine

- During lab evaluation, students will produce a designated menu item along with a standardized recipe and menu description. The student will achieve a 75% proficiency score or better using lab grading rubric which evaluates the final product based on method, timing, appearance, texture, and overall taste.

HRC265 C - World Culture and Cuisine

- During lab evaluation, students will produce an ethnic menu utilizing culture, religious and traditional aspects of an assigned diverse group in the United States. The student will achieve a 70% proficiency score or better using lab grading rubric which evaluates the final product based on method, timing, appearance, texture, and overall taste.

HRC290 C - Hospitality Career Capstone

- Students will demonstrate career readiness by preparing a professional career portfolio including an individualized professional resume, cover letter, work samples, educational achievements, certifications, awards, volunteer and paid work experiences.
- Students will obtain a minimum of 100 hours related industry experience. Based on that experience, students will be able to synthesize related industry experience(s) and prepare a comprehensive written report applying principles of effective communication, revenue management, guest service and leadership.

HRC295 C - Hospitality Internship

- Students will analyze their work experience in relation to their studies and their employer's expectations in an Internship Report, presented and documented in the Career Portfolio Assessment. The Internship Report will be assessed using the Career Portfolio—Project Assessment Rubric. Students will achieve a 70% or better in proficiency.

HRC298 C - Hospitality Seminar

- Student learning outcomes will be identified along with the course objectives for each seminar topic that is developed.

HRC299 C - Independent Study

- Student learning outcomes will be individualized for each student and listed on the Independent Study Learning Contract.

Law Enforcement Dept.**CSLO****AJ110 C - Intro to Criminal Justice**

- Students will research, write, and present a capstone project for inclusion in their career portfolio that demonstrates subject matter understanding in the complexities of law enforcement.

AJ120 C - Concepts of Criminal Law

- Students will research, write, and present a capstone project for inclusion in their career portfolio that demonstrates subject matter understanding in the complexities of criminal law.

AJ140 C - Criminal Investigation

- Students will research, write, and present a capstone project for inclusion in their career portfolio that demonstrates subject matter understanding in the complexities of criminal investigation.

AJ160 C - Community and the Justice Syst

- Students will research, write, and present a capstone project for inclusion in their career portfolio that demonstrates subject matter understanding in the complexities of peacekeeping in a multicultural society.
- Students will research, write, and present a capstone project for inclusion in their career portfolio that demonstrates subject matter understanding in the complexities of peacekeeping in a multicultural society. Students will research, write, and present a capstone project for inclusion in their career portfolio that demonstrates subject matter understanding in the complexities of peacekeeping in a multicultural society.

Work Experience Dept.**CSLO**

No CSLOs