

CYPRESS COLLEGE CURRICULUM COMMITTEE

Tuesday, September 8, 2015

(TLC) Teaching Learning Center in the LRC.

3:00 p.m.

AGENDA

PLEASE BE ON TIME...The meeting will begin promptly at 3:00 p.m. in the (TLC) Teaching Learning Center in the LRC. Your attendance is critical in helping to meet the curriculum needs of Cypress College. Remember if you are unable to attend please find an alternate representative.

Call to Order:

Mark Majarian, Chair

1. **Approval of *May 19, 2015 minutes*:** (attached)
2. **Introduction of new members**
3. **Request exception for late prelaunch of PHIL 172 C – revision to meet UC transferability**
4. **Curricunet Catalog Description & Title Requirements**
5. **Curriculum Approvals**
6. **Baccalaureate Degree Criteria for Mortuary Science**
7. **Orientation**
8. **Chair Report**
9. **25 seat count for lab classes in the sciences**

Approvals –

REVISED DEGREE/CERTIFICATE – Board approved 3/24/2015		
COURSE ID	EFF DATE	JUSTIFICATION
AS in Energy and Sustainable Technologies	2015 Fall	Adjusted courses within degree to reflect option of or between EST 130 or EST 135 and EST 140 or EST 145 which adjusted total units from 35 to 29
Sustainable Energy Certificate	2015 Fall	Adjusted courses within certificate to reflect option of or between EST 130 or EST 135 and EST 140 or EST 145 which adjusted total units from 28 to 22

DELETE COURSES/CERTIFICATES		
COURSE ID	EFF DATE	JUSTIFICATION
AT 171 C	2016 Fall	No longer needed for the state mandated SMOG program
CTRP 032 C	2016 Fall	Topics covered in this class are now being covered in other classes. It is a duplication of effort.
HRC 121 C	2016 Fall	Course is no longer offered.
HRC 298CC	2016 Fall	Course no longer offered
MGT 041 C	2016 Fall	Course is not currently part of a program.
MGT 141 C	2016 Fall	This course is not currently part of a program.
MGT 241 C	2016 Fall	Course is no longer a transfer requirement.
MGT 242 C	2016 Fall	Course is not currently part of a program.
MGT 298 C	2016 Fall	Course is not a part of a program.
MKT 206 C	2016 Fall	Course is not currently part of a program.
MKT 209 C	2016 Fall	Course is not currently part of a program.

NEW COURSES					
COURSE ID	ACTION TAKEN	CLASS SIZE	CLASS SIZE JUSTIFICATION	EFF DATE	JUSTIFICATION
AT 104 C Auto Tech Repair Lab Units:2 Lecture:0 Laboratory:6	* New Course * Prerequisite: AT 120 C or AT 130 C or AT 140 C or AT 150 C with min grade of B or AT 200 C * Material Fee \$30	24	Lecture/individualized instruction and lab that involves extensive individualized feedback to develop vocational skills. With extensive involvement with our advisory committees (both general automotive and Toyota) the recommendation was to follow the industry standard of 12:1. While this is not feasible in our educational model, the student to instructor ratio of 24:1 allows us to maintain a safe working environment by creating collaborative work groups of 4.	2016 Fall	Students leaving each course need additional hours and experience implementing the skills learned in the Automotive Technology courses.
AT 282 C Hybrid Vehicle Maintenance Units:4 Lecture:3 Laboratory:3	* New Course * Prerequisite: Completion of or concurrent enrollment in AT 281 C * Material Fee \$30	24	Lecture/individualized instruction and lab that involves extensive individualized feedback to develop vocational skills. With extensive involvement with our advisory committees (both general automotive and Toyota) the recommendation was to follow the industry standard of 12:1. While this is not feasible in our educational model, the student to instructor ratio of 24:1 allows us to maintain a safe working environment by creating collaborative work groups of 4.	2016 Fall	This course covers the most current information on the developing field of electric/hybrid vehicle maintenance.
ATC 160 C UAV / UAS Basic Units:3 Lecture:3 Laboratory:0	* New Course * Prerequisite: None * CSU Transfer * Distance Education/Hybrid	35	While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations. Evaluation primarily through objective exams. Writing assignments are assessed mostly for concepts and structure.	2016 Fall	This course is part of a new UAV / UAS certificate/degree program being proposed in response to the 2014 Advisory Board recommendations and in coordination with CTE Enhancement Funding.

ATC 161 C UAV / UAS Basic Simulator Units:1 Lecture:1 Laboratory:1	* New Course * Prerequisite: None * Advisory: Concurrent enrollment in or completion of ATC 160 C * CSU Transfer * Distance Education/Hybrid	25	This is a flight lab conducted in the flight simulators with individualized instruction. Consistent with the class size document for 25: "Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds."	2016 Fall	This course is part of a new UAV / UAS certificate/degree program being proposed in response to the 2014 Advisory Board recommendations and in coordination with CTE Enhancement Funding.
ATC 162 C UAV / UAS Basic Flight Units:2 Lecture:1 Laboratory:3	* New Course * Prerequisite: None * Advisory: Concurrent enrollment in or completion of ATC 160 C and ATC 161 C * CSU Transfer * Distance Education/Hybrid	25	This is a flight lab conducted with UAVs and flight simulators which require individualized instruction. Consistent with the class size document for 25: "Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds."	2016 Fall	This course is part of a new UAV / UAS certificate/degree program being proposed in response to the 2014 Advisory Board recommendations and in coordination with CTE Enhancement Funding.
ATC 260 C UAV / UAS Advanced Units:3 Lecture:3 Laboratory:0	* New Course * Prerequisite: None * Advisory: Concurrent enrollment in or completion of ATC 160 C, ATC 161 C and ATC 162 C or the equivalent * CSU Transfer * Distance Education/Hybrid	35	While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations. Evaluation primarily through objective exams. Writing assignments are assessed mostly for concepts and structure.	2016 Fall	This course is part of a new UAV / UAS certificate/degree program being proposed in response to the 2014 Advisory Board recommendations and in coordination with CTE Enhancement Funding.
ATC 261 C UAV / UAS Advanced Simulator Units:1 Lecture:1 Laboratory:1	* New Course * Prerequisite: None * Advisory: Concurrent enrollment in or completion of ATC 260 C * CSU Transfer * Distance Education/Hybrid	25	This is a flight lab conducted in the flight simulators with individualized instruction. Consistent with the class size document for 25: "Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds."	2016 Fall	This course is part of a new UAV / UAS certificate/degree program being proposed in response to the 2014 Advisory Board recommendations and in coordination with CTE Enhancement Funding.

ATC 262 C UAV / UAS Advanced Flight Units:2 Lecture:1 Laboratory:3	* New Course * Prerequisite: None * Advisory: Concurrent enrollment in or completion of ATC 260 C and ATC 261 C * CSU Transfer * Distance Education/Hybrid	25	This is a flight lab conducted with UAVs and flight simulators which require individualized instruction. Consistent with the class size document for 25: "Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds."	2016 Fall	This course is part of a new UAV / UAS certificate/degree program being proposed in response to the 2014 Advisory Board recommendations and in coordination with CTE Enhancement Funding.
BIOL NO1 C Supervised Tutoring: Science and Engineering Units:0 Lecture:0 Laboratory:0	* New Course * Prerequisite: None	999	This is an open entry lab.	2016 Fall	This is an open entry lab. Students will receive individualized tutoring based on their needs in their science and engineering courses.
ECON 120 C International Economics Units:3 Lecture:3 Laboratory:0	* New Course * Prerequisite: Min grade of C in ECON 100 C * UC/CSU Transfer * Distance Education/Hybrid	45	The primary mode of instruction is lecture and may include discussion and/or group learning.	2016 Fall	New course for AAT
HRC 170 C Beverage Management Units:3 Lecture:3 Laboratory:0	* New Course * Prerequisite: A minimum grade of C in HRC 152C * CSU Transfer * Distance Education/Hybrid	35	While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations. Evaluation primarily through objective exams. Writing assignments are assessed mostly for concepts and structure.	2016 Fall	The HRC Advisory has recommended the addition of a beverage management course to enhance our program offerings.
PE 126 C Sand Volleyball Beginning Units:1 Lecture:0 Laboratory:3	* New Course * Prerequisite: None * UC/CSU Transfer	30	Individualized Instruction/Group Learning/ Student Presentations-Class time focuses on individualized instruction, student presentation time, and/or group learning.	2016 Fall	ATT Kinesiology requirement (1 unit requirement)
PE 128 C Sand Volleyball - Intermediate/Advanced Units:1 Lecture:0 Laboratory:3	* New Course * Prerequisite: None * UC/CSU Transfer	30	Individualized Instruction/Group Learning/ Student Presentations-Class time focuses on individualized instruction, student presentation time, and/or group learning.	2016 Fall	ATT Kinesiology requirement (1 unit requirement)

PHOT 235 C Drone Photography & Video Units:3 Lecture:2 Laboratory:4	* New Course * Prerequisite: A minimum grade of C in PHOT 101 C; PHOT 103 C * CSU Transfer * Material Fee \$35	25	Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds.	2016 Fall	This course is part of a collaboration with the Aviation Department for our UAV Certification Program
PHOT 236 C UAV Flight Lab: Photography Units:2 Lecture:1 Laboratory:3	* New Course * Prerequisite: A minimum grade of C in PHOT 235 C * CSU Transfer * Material Fee \$35	25	Most of the time the students are engaged in practicing the skill(s) they are learning and the instructor gives each student individual instruction as the class proceeds.	2016 Fall	This course is part of a collaboration with the Aviation Department for our UAV Certification Program

REVISED COURSES					
COURSE ID	ACTION TAKEN	CLASS SIZE	CLASS SIZE JUSTIFICATION	EFF DATE	JUSTIFICATION
AC/R 100 C Principles of Thermal Dynamics and Heat Transfer Units: 3 Lecture: 1.5 Laboratory: 4.5	* Title change * Advisory revalidated * Textbook Update	20	HVAC EXCELLENCE Standard 5.2 –Classes should consist of no more than a maximum of 20 students per instructor. This standard is not only for the quality of education allowing for more individual instruction, but also takes into account safety and health reasons as this industry is involved with the handling of hazardous materials such as refrigerants, oxygen and acetylene and oils. Also, the handling of electrical circuits at higher voltages demands more care.	2016 Fall	Program Review Title & textbook updated to better reflect course content.
AC/R 105 C Electricity for Air Conditioning and Refrigeration I Units: 3 Lecture: 1.5 Laboratory: 4.5	* Title change * Textbook Update	20	HVAC EXCELLENCE Standard 5.2 –Classes should consist of no more than a maximum of 20 students per instructor. This standard is not only for the quality of education allowing for more individual instruction, but also takes into account safety and health reasons as this industry is involved with the handling of hazardous materials such as refrigerants, oxygen and acetylene and oils. Also, the handling of electrical circuits at higher voltages demands more care.	2016 Fall	Program Review Title & textbook updated to better reflect course content.

NEW DEGREES/CERTIFICATES					
DEGREE		EFF DATE	JUSTIFICATION		
Air Conditioning/ Refrigeration	Electrical Systems Core Certificate		2016 Fall	This certificate is being sought to align our certificates with the established Sophomore course sequence.	
	Required course are listed in suggested sequence				
		Units			
	AC/R036 C	Refrigerants, Charging and Recovery			1
	AC/R055 C	Technician Customer Relations			2
	AC/R105 C	Electricity for Air Conditioning and Refrigeration I			3
	AC/R115 C	Gas Heating and Carbon Monoxide			2
	AC/R125 C	Boiler and Hydronic Heating			2
	AC/R135 C	Solar Energy for Heat and Cool			2
	Total Units				12
Air Conditioning/ Refrigeration	Mechanical Systems Core Certificate		2016 Fall	This certificate is being sought to align our certificates with the existing Sophomore course sequence.	
	Required course are listed in suggested sequence				
		Units			
	AC/R035 C	Building Commissioning			2
	AC/R100 C	Principles of Thermal Dynamics and Heat Transfer			3
	AC/R110 C	Air Conditioning I			3
	AC/R120 C	Piping Practice, Tools and Safety			2
	AC/R137 C	Blueprints and Dimension Analysis			2
	Total Units				12
	Aviation and Travel Careers	UAV / UAS Advanced Certificate			2016 Fall
Required courses are listed in numeric sequence:					
		Units			
ATC102 C		Career Communication/Portfolio	3		
ATC132 C		Private Pilot	4		
ATC136 C		Air Navigation	3		
ATC140 C		Meteorology	3		
ATC144 C		Aircraft and Engines	3		
ATC160 C		UAV / UAS Basic	3		
ATC161 C		UAV / UAS Basic Simulator	1		
ATC162 C		UAV / UAS Basic Flight	2		
ATC197 C		Flight Simulator Instrument	1		
ATC232 C		Instrument Rating	3		
ATC256 C		Crew Resource Management	3		
ATC260 C		UAV / UAS Advanced	3		
ATC261 C		UAV / UAS Advanced Simulator	1		
ATC262 C		UAV / UAS Advanced Flight	2		
Total Units		35			

Aviation and Travel Careers	<p>Associate in Science Degree UAV / UAS</p> <p>Required courses are listed in numeric sequence:</p> <table border="1" data-bbox="443 191 1149 758"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>ATC102 C</td> <td>Career Communication/Portfolio</td> <td>3</td> </tr> <tr> <td>ATC132 C</td> <td>Private Pilot</td> <td>4</td> </tr> <tr> <td>ATC136 C</td> <td>Air Navigation</td> <td>3</td> </tr> <tr> <td>ATC140 C</td> <td>Meteorology</td> <td>3</td> </tr> <tr> <td>ATC144 C</td> <td>Aircraft and Engines</td> <td>3</td> </tr> <tr> <td>ATC160 C</td> <td>UAV / UAS Basic</td> <td>3</td> </tr> <tr> <td>ATC161 C</td> <td>UAV / UAS Basic Simulator</td> <td>1</td> </tr> <tr> <td>ATC162 C</td> <td>UAV / UAS Basic Flight</td> <td>2</td> </tr> <tr> <td>ATC197 C</td> <td>Flight Simulator Instrument</td> <td>1</td> </tr> <tr> <td>ATC232 C</td> <td>Instrument Rating</td> <td>3</td> </tr> <tr> <td>ATC256 C</td> <td>Crew Resource Management</td> <td>3</td> </tr> <tr> <td>ATC260 C</td> <td>UAV / UAS Advanced</td> <td>3</td> </tr> <tr> <td>ATC261 C</td> <td>UAV / UAS Advanced Simulator</td> <td>1</td> </tr> <tr> <td>ATC262 C</td> <td>UAV / UAS Advanced Flight</td> <td>2</td> </tr> <tr> <td colspan="2">Total Units</td> <td>35</td> </tr> </tbody> </table>			Units	ATC102 C	Career Communication/Portfolio	3	ATC132 C	Private Pilot	4	ATC136 C	Air Navigation	3	ATC140 C	Meteorology	3	ATC144 C	Aircraft and Engines	3	ATC160 C	UAV / UAS Basic	3	ATC161 C	UAV / UAS Basic Simulator	1	ATC162 C	UAV / UAS Basic Flight	2	ATC197 C	Flight Simulator Instrument	1	ATC232 C	Instrument Rating	3	ATC256 C	Crew Resource Management	3	ATC260 C	UAV / UAS Advanced	3	ATC261 C	UAV / UAS Advanced Simulator	1	ATC262 C	UAV / UAS Advanced Flight	2	Total Units		35	2016 Fall	This degree is part of a new UAV / UAS certificate/degree program being proposed in response to the 2014 Advisory Board recommendations and in coordination with CTE Enhancement Funding
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Economics	<p>Associate in Arts in Economics for Transfer Degree (AA-T)</p> <p>Required Core Courses (14 units): List A: Select One Course (3-4 units)</p> <table border="1" data-bbox="446 220 1138 625"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>ECON100 C</td> <td>Principles of Economics-Macro</td> <td>3</td> </tr> <tr> <td></td> <td>or</td> <td></td> </tr> <tr> <td>ECON100HC</td> <td>Honors Principles of Economics</td> <td>3</td> </tr> <tr> <td>ECON105 C</td> <td>Principles of Economics-Micro</td> <td>3</td> </tr> <tr> <td></td> <td>or</td> <td></td> </tr> <tr> <td>ECON105HC</td> <td>Honors Principles of Economics</td> <td>3</td> </tr> <tr> <td>MATH120 C</td> <td>Introduction to Probability and Statistics</td> <td>4</td> </tr> <tr> <td>MATH130 C</td> <td>Survey of Calculus</td> <td>4</td> </tr> <tr> <td></td> <td>or</td> <td></td> </tr> <tr> <td>MATH150AC</td> <td>Calculus I</td> <td>4</td> </tr> </tbody> </table> <p>List B: Select One Course (3-4 units) or any course not used in List A</p> <table border="1" data-bbox="446 684 1138 953"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>MATH115 C</td> <td>Finite Mathematics</td> <td>4</td> </tr> <tr> <td>MATH150BC</td> <td>Calculus II</td> <td>4</td> </tr> <tr> <td>ACCT101 C</td> <td>Financial Accounting</td> <td>4</td> </tr> <tr> <td>ACCT102 C</td> <td>Managerial Accounting</td> <td>4</td> </tr> <tr> <td>CIS111 C</td> <td>Computer Information Systems</td> <td>3</td> </tr> <tr> <td>MGT211 C</td> <td>Writing for Business</td> <td>3</td> </tr> </tbody> </table> <table border="1" data-bbox="446 982 1138 1310"> <thead> <tr> <th></th> <th></th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>ECON110 C</td> <td>Survey of Economics</td> <td>3</td> </tr> <tr> <td></td> <td>or</td> <td></td> </tr> <tr> <td>ECON120 C</td> <td>International Economics</td> <td>3</td> </tr> <tr> <td></td> <td>or</td> <td></td> </tr> <tr> <td>ECON130 C</td> <td>Consumer Economics</td> <td>3</td> </tr> <tr> <td></td> <td>or</td> <td></td> </tr> <tr> <td>MATH250AC</td> <td>Multivariable Calculus</td> <td>4</td> </tr> <tr> <td>Total Units</td> <td></td> <td>20 - 22</td> </tr> </tbody> </table>			Units	ECON100 C	Principles of Economics-Macro	3		or		ECON100HC	Honors Principles of Economics	3	ECON105 C	Principles of Economics-Micro	3		or		ECON105HC	Honors Principles of Economics	3	MATH120 C	Introduction to Probability and Statistics	4	MATH130 C	Survey of Calculus	4		or		MATH150AC	Calculus I	4			Units	MATH115 C	Finite Mathematics	4	MATH150BC	Calculus II	4	ACCT101 C	Financial Accounting	4	ACCT102 C	Managerial Accounting	4	CIS111 C	Computer Information Systems	3	MGT211 C	Writing for Business	3			Units	ECON110 C	Survey of Economics	3		or		ECON120 C	International Economics	3		or		ECON130 C	Consumer Economics	3		or		MATH250AC	Multivariable Calculus	4	Total Units		20 - 22	2016 Fall	<p>This program is being created to meet the scholarly interests of students who would like to focus primarily on earning a bachelor's degree in Economics or a related subject. The courses for an AA-T in Economics are articulated with the CSU Long Beach: 372 -- "International Economics" an Upper Division Course with ECON 120C -- "International Economics" CSU Fullerton: ECON335 - - "The International Economy" an Upper Division Course with "ECON 120C -- International Economics" UC Santa Cruz: 140 -- "International Trade" at LL and UL with ECON 120C -- "International Economics"</p>
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