

COMMITTEE MEETING
Wednesday, October 19, 2016
1:30 p.m.
Faculty Lounge Room 1246

CURRICULUM PROPOSAL MINUTES

NEW COURSES

COURSE ID	PROPOSAL TYPES	CLASS SIZE	CLASS SIZE JUSTIFICATION	EFF DATE	JUSTIFICATION
MACH 145 F Basic CNC Swiss Style Lathe Programming and Applications	Units: 3 Lecture: 2.5 Laboratory: 1.5 Prerequisite: MACH 142 F	20	Maximum number of students allowed at this time for safety concerns and per request of advisory committee. See attached Advisory Committee Meeting Minutes.	2018 Fall	This is a new course for the Swiss Lathe certificate that will be implemented to teach students on new state of the art equipment. At this time, there are no other community colleges teaching this type of equipment. See attached Advisory Committee Meeting Minutes.
Tabled-proposals are for 2018, wtg on all programs and courses to approve. issues.					
MACH 156 F Advanced CNC Programming Using Surfcam	Units: 3 Lecture: 2.5 Laboratory: 1.5 Prerequisite: MACH 154 F	20	Feedback/Evaluation - Labs in which the instructor provides extensive individualized feedback/evaluation on a regular basis. (e.g. problem sets, scientific experiments, vocational skills, lab reports). Maximum number of students allowed at this time for safety concerns and per request of advisory committee. See Advisory meeting minutes for class size justification of 20.	2018 Fall	This new Mach 156 F class will replace the Mach 062 F class. The new 156 F class is intended for certificate students and for students wishing to transfer and continue their studies in the field of manufacturing; engineering; or industrial arts at a 4 year institution.
Tabled-proposals are for 2018, wtg on all programs and courses to approve. issues.					
NUTR 100 F Careers in Nutrition and Foods	Units: 2 Lecture: 2 Laboratory: 0 Prerequisites: NONE	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.	2017 Fall	New course. This course is offered in the Foods and Nutrition programs at Orange Coast Community College, Santa Ana College, and Mt. San Antonio College. It is articulated to the Dietetics/Nutritional Science programs at California State Polytechnic University, Pomona and California State University, San Bernardino.
MSU Approved					

REVISED COURSES

COURSE ID	ACTION TAKEN	CLASS SIZE	CLASS SIZE JUSTIFICATION	EFF DATE	JUSTIFICATION
COUN 100 F Orientation for College Success	<ul style="list-style-type: none"> • Textbooks • Student Learning Outcomes 	30	Class time focuses on individualized instruction, student presentation time,	2016 Fall	MINOR REVISION. SLO revision

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<p>Units: 1 Lecture: 1 Laboratory: 0</p> <p>MSU Approved</p>	<ul style="list-style-type: none"> • FSA Code Revision 		<p>and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking and conceptual understanding and individualized feedback is provided to facilitate interpretation and application of course concepts to personal experience.</p>		
<p>ESC 100LF Physical Geology Lab Units: 1 Lecture: 0 Laboratory: 3</p> <p>MSU Approved</p>	<ul style="list-style-type: none"> • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Assignments Revision • Catalog Description Update • Schedule Description Update • Prerequisite Validation • Corequisite Revision • Six-Year Review • Objectives Revision 	25	<p>Labs in which the instructor provides extensive individualized feedback/evaluation on a regular basis. (e.g. problem sets, scientific experiments, vocational skills, lab reports) Most of the time students are engaged in practicing the skills they learn. The instructor provides individualized instruction during class time.</p>	2017 Fall	<p>Six-year review. Correction to CNET records to show IGETC approval for Area 5C (not Area 5A). Correcting the Corequisite to match current catalog.</p>
<p>ESC 105 F Introduction to Weather and Climate Units: 3 Lecture: 3 Laboratory: 0</p> <p>MSU Approved</p>	<ul style="list-style-type: none"> • Student Learning Outcomes • Method of Instruction • Six-Year Review 	50	<p>Lecture/Discussion: The primary mode of instruction is lecture and may include discussion and/or group learning. Evaluation primarily through objective exams. Writing assignments are assessed mostly for concepts and structure.</p>	2017 Fall	<p>Six year review.</p>
<p>ESC 130LF Introduction to Oceanography Field Experience Units: 1 Lecture: .5</p>	<ul style="list-style-type: none"> • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning 	25	<p>Labs in which the instructor provides extensive individualized feedback/evaluation on a regular basis. (e.g. problem sets, scientific experiments,</p>	2017 Fall	<p>Six-year review. IGETC Area 5A changed to Area 5C to correct CNET records.</p>

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Laboratory: 1.5 MSU Approved	Outcomes <ul style="list-style-type: none"> • Method of Instruction • Assignments • Revision • Catalog Description Update • Prerequisite Addition • Corequisite Validation • Six-Year Review • Objectives Revision 		vocational skills, lab reports)		
ESC 140 F Geology of California Coastal Areas Units: 2 Lecture: 2 Laboratory: 0 MSU Approved	<ul style="list-style-type: none"> • Textbooks • Course Content (that do not change the overall scope of the course) • Method of Instruction • Assignments • Revision • Catalog Description Update • Six-Year Review • Objectives Revision 	20	This course involves field studies: classes in which the instructor coordinates field studies and supervises students individually at different locations. In order to analyze rocks, fossils, and geologic structures first hand it is often necessary to travel into backcountry locations on primitive roads and trails. The primitive camping sites have restrictions on group size, close supervision is required for camping, cooking, hiking, and hands-on instruction. The most important issue is the limit of the instructor to safely and effectively supervise and instruct the students when at the fieldtrip site. This course is taught as a "one-shot" weekend fieldtrip to some fairly wild parts of the West. See attached document for information on group size in wilderness areas. The attachment summarizes some of the complications involved in taking students to some of these locations. In other courses, fieldtrips can be scheduled for a point in the semester when there has been some student attrition, reducing the number of students	2017 Fall	Six-year review.

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			<p>requiring supervision. For this course, there is generally no attrition - they sign up for the course and the fieldtrip is the course. Increasing the class size above 20 would require changes in the fieldtrip that would jeopardize instruction and learning (taking students on a trail in separate groups, limiting access to some sites, etc.).</p>		
<p>ESC 141 F Geology of the Anza-Borrego Desert State Park Area Units: 1 Lecture: 1 Laboratory: 0</p> <p>MSU Approved</p>	<ul style="list-style-type: none"> • Textbooks • Course Content (that do not change the overall scope of the course) • Method of Instruction • Assignments • Catalog Description Update • Six-Year Review • Objectives Revision 	<p>20</p>	<p>Class size for this course is not being changed. This course has been previously Board approved with 20 students. This course involves field studies: classes in which the instructor coordinates field studies and supervises students individually at different locations. Anza-Borrego Desert State Park contain large areas of badland landscapes in very primitive settings that allow students to analyze the rocks and fossils first-hand. The primitive camping sites have restrictions on group sizes and the two-vehicle limit puts limitations on the amount of camping gear and food that can be brought. Also, extra supervision is required for safety issues concerning students hiking experience and varying types of terrain. See attached document for information on group size in wilderness areas. The attachment summarizes some of the complications involved in taking students to some of these locations. The most important issue is the limit of the instructor to safely and effectively supervise and instruct the students when at the fieldtrip site. This course is taught as a "one-shot"</p>	<p>2017 Fall</p>	<p>Six-year review.</p>

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			<p>weekend fieldtrip to some fairly wild part of the West. In other courses, fieldtrips can be scheduled for a point in the semester when there has been some student attrition, reducing the number of students requiring supervision. For this course, there is generally no attrition - they sign up for the course and the fieldtrip is the course. Increasing the class size above 20 would require another instructor (for vehicle check-out, trail and camping permits at some locations, etc.) and changes in the fieldtrip that would jeopardize instruction and learning (taking students on a trail in separate groups, limiting access to some sites, etc.).</p>		
<p>ESC 143 F Geology of the Owens Valley/Mammoth Lakes Area Units: 1 Lecture: 1 Laboratory: 0</p> <p>MSU Approved</p>	<ul style="list-style-type: none"> • Textbooks • Student Learning Outcomes • Method of Instruction • Assignments • Revision • Catalog Description Update • Six-Year Review • Objectives Revision 	<p>20</p>	<p>This course involves field studies: classes in which the instructor coordinates field studies and supervises students individually at different locations. In order to analyze rocks, fossils, and geologic structures first hand it is often necessary to travel into backcountry locations on primitive roads and trails. The primitive camping sites have restrictions on group size, close supervision is required for camping, cooking, hiking, and hands-on instruction. The most important issue is the limit of the instructor to safely and effectively supervise and instruct the students when at the fieldtrip site. This course is taught as a "one-shot" weekend fieldtrip to some fairly wild parts of the West. See attached document for information on group size in wilderness areas. The attachment summarizes some</p>	<p>2017 Fall</p>	<p>Six-year review.</p>

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			<p>of the complications involved in taking students to some of these locations. In other courses, fieldtrips can be scheduled for a point in the semester when there has been some student attrition, reducing the number of students requiring supervision. For this course, there is generally no attrition - they sign up for the course and the fieldtrip is the course. Increasing the class size above 20 would require changes in the fieldtrip that would jeopardize instruction and learning (taking students on a trail in separate groups, limiting access to some sites, etc.).</p>		
<p>ESC 144 F Geology of Southern California Mountain Areas Units: 1 Lecture: 1 Laboratory: 0</p> <p style="color: blue;">MSU Approved</p>	<ul style="list-style-type: none"> • Textbooks • Method of Instruction • Assignments Revision • Catalog Description Update • Six-Year Review • Objectives Revision 	20	<p>This course involves field studies: classes in which the instructor coordinates field studies and supervises students individually at different locations. In order to analyze rocks, fossils, and geologic structures first hand it is often necessary to travel into backcountry locations on primitive roads and trails. The primitive camping sites have restrictions on group size, close supervision is required for camping, cooking, hiking, and hands-on instruction. The most important issue is the limit of the instructor to safely and effectively supervise and instruct the students when at the fieldtrip site. This course is taught as a "one-shot" weekend fieldtrip to some fairly wild parts of the West. See attached document for information on group size in wilderness areas. The attachment summarizes some of the complications involved in taking students to some of</p>	2017 Fall	Six-year review.

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			these locations. In other courses, fieldtrips can be scheduled for a point in the semester when there has been some student attrition, reducing the number of students requiring supervision. For this course, there is generally no attrition - they sign up for the course and the fieldtrip is the course. Increasing the class size above 20 would require changes in the fieldtrip that would jeopardize instruction and learning (taking students on a trail in separate groups, limiting access to some sites, etc.).		
FASH 060 F Professional Image Units: 2 Lecture: 2 Laboratory: 0 MSU Approved	<ul style="list-style-type: none"> • Classification Code Revision • CIP Code Revision • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Catalog Description Update • Schedule Description Update • FSA Code Revision • Class Size Revision • Objectives Revision 	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.	2017 Fall	Update course content and schedule description. class size increased from 24 to 25 to align with the CSPRD.
FOOD 130 F Cultural Aspects of Food Units: 3 Lecture: 2 Laboratory: 3 MSU Approved	<ul style="list-style-type: none"> • Multicultural Requirement • Textbooks • Student Learning Outcomes • Hours (WSCH Lecture and/or Lab) • Units Revision 	20	Individualized supervision and instruction of students is necessary due to safety and sanitation concerns. Intensive individualized instruction and supervision of food preparation and cooking projects are required. Individual student	2017 Fall	Units revised from 2 to 3 due to change in instructional hours. Lecture/lab hour revision to match other articulated cultural foods courses from institutions with Nutrition/Dietetic degrees.

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	<ul style="list-style-type: none"> • Catalog Description Update • FSA Code Revision • UC Addition <p>GE: Graduation Requirements Multicultural Requirement</p>		presentations including the Heritage project are necessary course assignments. A larger class would not allow for these presentations and supervision.		WSCH hours being changed as follows: Lecture from 1 to 2. Proposed for UC transfer courses. This course is already approved for the Multicultural Requirement - updating Cnet form only.
<p>FREN 200 F Conversational French Units: 2 Lecture: 2 Laboratory: 0</p> <p>MSU Approved</p>	<ul style="list-style-type: none"> • Textbooks • Method of Instruction • Assignments Revision • Catalog Description Update • Schedule Description Update • Prerequisite Validation • Class Size Revision 	30	Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style, and mechanics.	2017 Fall	Six-Year Review. Textbooks. Class size increase from 25 to 30 in order to reflect the class size document.
<p>GERM 200 F Conversational German Units: 2 Lecture: 2 Laboratory: 0</p> <p>MSU Approved</p>	<ul style="list-style-type: none"> • Textbooks • Student Learning Outcomes • Method of Instruction • Assignments Revision • Catalog Description Update • Prerequisite Validation • Six-Year Review • Class Size Revision 	30	Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more writing assignments using advanced analytical and critical thinking skills. Writing assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics.	2017 Fall	Six-Year Review. Textbooks. Class size increase from 25 to 30 in order to reflect the class size document.
<p>JOUR 101 F Reporting and Writing Units: 3 Lecture: 3 Laboratory: 0</p> <p>Tabled-2018 proposal.</p>	<ul style="list-style-type: none"> • Textbooks • Method of Instruction • Method of Evaluation • Assignments Revision • Catalog Description Update • Prerequisite Revision 	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.	2018 Fall	Six year Review. Updating textbooks and catalog description, method of instruction, validating prerequisites and updating student learning outcomes and methods of evaluation.

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	<ul style="list-style-type: none"> • Six-Year Review 				
<p>JOUR 108 F Feature Writing Units: 3 Lecture: 3 Laboratory: 0</p> <p style="color: red;">Tabled-2018 proposal.</p>	<ul style="list-style-type: none"> • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Catalog Description Update • Schedule Description Update • Prerequisite Addition • Advisory Deletion • Six-Year Review 	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.	2018 Fall	Six-year review, catalog description, schedule description and textbook updated. Advisory deletion and addition of ENGL 60 as prerequisite as these skills are necessary for the course. Cleaning up of text in course content. Updating methods of instruction and evaluation.
<p>MATH 015 F Pre-Algebra Units: 4 Lecture: 4 Laboratory: 0</p> <p style="color: blue;">MSU Approved</p>	<ul style="list-style-type: none"> • Textbooks 	35	Class time includes lecture, discussion, group learning, guided practice and individualized instruction, and student presentations of problems. Includes three or more exams and multiple homework assignments requiring demonstration of problem solving ability.	2016 Fall	Minor Revision - Textbook update only. These textbooks will be used beginning Fall 2016.
<p>MATH 120 F Introductory Probability and Statistics Units: 4 Lecture: 4 Laboratory: 0</p> <p style="color: blue;">MSU Approved</p>	<ul style="list-style-type: none"> • Textbooks 	35	Class time includes lecture, discussion, group learning, guided practice and individualized instruction, and student presentations of problems. Includes three or more exams and multiple homework assignments requiring demonstration of problem solving ability.	2016 Fall	MINOR REVISION - Textbook update only. This textbook will be used beginning Fall 2016.
<p>MATH 120HF Honors Introductory Probability and Statistics Units: 4 Lecture: 4</p>	<ul style="list-style-type: none"> • Textbooks 	25	The Fullerton College Honors Advisory Board recommends a class size of 25 for honors courses. Class time includes lecture, discussion, group learning, guided practice and individualized instruction, and	2016 Fall	MINOR REVISION - Textbook update only. This textbook will be used beginning Fall 2016.

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<p>Laboratory: 0</p> <p>MSU Approved</p>			<p>student presentations of problems. Requires three or more written exams and multiple homework assignments using advanced analytical and critical thinking skills. Exams and assignments are assessed for critical thinking, conceptual understanding, structure, style and mechanics. The emphasis on individual research, collaborative learning and student-driven discussions is much stronger in this honors section than in a non-honors class.</p>		
<p>MATH 130 F Calculus for Business Units: 4 Lecture: 4 Laboratory: 0</p> <p>MSU Approved</p>	<ul style="list-style-type: none"> • Textbooks 	35	<p>Class time includes lecture, discussion, group learning, guided practice and individualized instruction, and student presentations of problems. Includes three or more exams and multiple homework assignments requiring demonstration of problem solving ability.</p>	2016 Fall	<p>Minor Revision - Textbook update only. This textbook will be used beginning Fall 2016.</p>
<p>MATH 142 F Trigonometry Units: 4 Lecture: 4 Laboratory: 0</p> <p>MSU Approved</p>	<ul style="list-style-type: none"> • Textbooks 	35	<p>Class time includes lecture, discussion, group learning, guided practice and individualized instruction, and student presentations of problems. Includes three or more exams and multiple homework assignments requiring demonstration of problem solving ability.</p>	2016 Fall	<p>Minor Revision - Textbook update only. This textbook will be used beginning Fall 2016.</p>
<p>PE 180 F Baseball Units: 1 Lecture: 0 Laboratory: 3</p> <p>MSU Approved</p>	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Catalog Description 	35	<p>Labs in which the instructor supervises students as they proceed in their work and answers questions, but does NOT provide extensive individualized feedback/evaluation on a regular basis.</p>	2017 Fall	<p>Six-Year Review, SLO's, CIP code revision from 360108 TO 310501. Class size revision from 40 to 35 to align with the CSPRD.</p>

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	<ul style="list-style-type: none"> Update • Schedule Description Update • Fee Revisions • Six-Year Review • FSA Code Revision • Class Size Revision • Objectives Revision 				
PE 181 F Intermediate/Advanced Basketball Units: 1 Lecture: 0 Laboratory: 3 MSU Approved	<ul style="list-style-type: none"> • CIP Code Revision • Textbooks • Method of Instruction • Method of Evaluation • Title Revision • Catalog Description Update • Six-Year Review • FSA Code Revision 	25	When doing full court activities, a class size of 25 allows for 20 students on the court at any one time for active participation	2017 Fall	Six Year Review. Catalog Revision CIP Revision FSA Revision Method of Evaluation Method of Instruction Textbook Revision Title Revision from Basketball to Intermediate/Advanced Basketball
PE 202 F Intercollegiate Baseball Units: 3 Lecture: 0 Laboratory: 10 MSU Approved	<ul style="list-style-type: none"> • Textbooks • Course Content (that do not change the overall scope of the course) • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Title Revision • Units Revision • Catalog Description Update • Schedule Description Update • Prerequisite Addition • Six-Year Review • FSA Code Revision • Objectives Revision 	40	Labs in which the instructor supervises students as they proceed in their work and answers questions, but does NOT provide extensive individualized feedback/evaluation on a regular basis.	2017 Fall	Six-Year Review, SLO's, Units changed from 2 to 3 because of the many advanced theories and applications of baseball. Learning the various rules and applications of baseball in regards to compliance with game rules, advanced theories involved with the collegiate level of play, involvement of extended practice sessions, strength development, and the ability to perform at an extremely competitive level. Title revised from 'Baseball' to 'Intercollegiate Baseball.' CSU GE Area E added to update C'Net records.
PE 252 F Introduction to Kinesiology Units: 3 Lecture: 3	<ul style="list-style-type: none"> • CIP Code Revision • Course Content (that do not change the overall scope of the course) 	35	While the instructor does lecture, much of the class time focuses on discussion, group learning, and/or formal/informal student presentations.	2017 Spring	MINOR REVISION. CID approval per state request. Updated Course Content, Objectives and Methods Instruction. Corrected CIP

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Laboratory: 0 MSU Approved	<ul style="list-style-type: none"> • Method of Instruction 		Evaluation primarily through objective exams. Writing assignments are assessed mostly for concepts and structure.		code.
PE 280 F Theory of Coaching Baseball Units: 3 Lecture: 3 Laboratory: 1 MSU Approved	<ul style="list-style-type: none"> • Textbooks • Student Learning Outcomes • Hours (WSCH Lecture and/or Lab) • Title Revision • Catalog Description Update • Schedule Description Update • Advisory Addition • Six-Year Review • Class Size Revision • Objectives Revision 	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.	2017 Fall	Six-Year Review, SLO's, Title change from "Professional Activities Theory of Baseball" TO "Theory of Coaching Baseball". Hours revision from Lecture 1 Lab 2 to Lecture 3 Lab 1, and resulting unit revision from 2 to 3 because the breadth and scope of Baseball Theory includes various advanced theories of baseball. These advanced theories include the process of implementing various philosophies in the teaching content. For example, the skill of bunting includes advanced knowledge and execution of skills such as the "Suicide Squeeze" bunt and the "Safety Squeeze" bunt amongst other advanced baseball theories. Class size revision from 30 to 35 to align with the CSPRD.
PHYS 222 F General Physics II Units: 4 Lecture: 3 Laboratory: 3 MSU Approved	<ul style="list-style-type: none"> • Textbooks • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Catalog Description Update • Schedule Description Update • Prerequisite Revision • Six-Year Review 	25	Labs in which the instructor provides extensive individualized feedback/evaluation on a regular basis. (e.g. problem sets, scientific experiments, vocational skills, lab reports)	2017 Fall	Update textbooks. 6-year review. Updated Gen Ed (AA GE, CSU GE Area B3 and IGETC Area 5C) screen to reflect current catalog listed approvals. Update prerequisite to reflect MATH course number change (MATH 150BF --> MATH 152 F). Add honors version MATH 152HF to prerequisite.

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	<ul style="list-style-type: none"> • Objectives Revision 				
<p>POSC 110 F Contemporary American Politics Units: 3 Lecture: 3 Laboratory: 0</p> <p>MSU Approved</p>	<ul style="list-style-type: none"> • Textbooks • Method of Instruction • Method of Evaluation • Catalog Description Update • Schedule Description Update • Six-Year Review • Objectives Revision 	45	The primary mode of instruction is lecture and may include discussion and/or group learning. Evaluation is primarily through objective exams. Writing assignments are assessed mostly for concepts and structure.	2017 Fall	Six-Year Review: Schedule Description Update; Catalog Description Update; Student Learning Outcomes FORMAT UPDATE ONLY; Objectives Revision; Method of Evaluation; Textbooks. AA GE Area D1 added to update CNET records. Method of Instruction.
<p>POSC 215 F Comparative Politics Units: 3 Lecture: 3 Laboratory: 0</p> <p>MSU Approved</p>	<ul style="list-style-type: none"> • Textbooks • Student Learning Outcomes • Method of Instruction • Method of Evaluation • Assignments Revision • Catalog Description Update • Six-Year Review • TOPS Code Revision • Objectives Revision 	45	The primary mode of instruction is lecture and may include discussion and/or group learning. Evaluation is primarily through objective exams. Writing assignments are assessed mostly for concepts and structure.	2017 Fall	Six-Year Review; Catalog Description Update; Student Learning Outcomes; Textbooks; Objectives Revision; Method of Evaluation; Method of Instruction; Assignments Revision.
<p>SPAN 200 F Conversational Spanish Units: 2 Lecture: 2 Laboratory: 0</p> <p>MSU Approved</p>	<ul style="list-style-type: none"> • Textbooks • Method of Instruction • Assignments Revision • Catalog Description Update • Schedule Description Update • Prerequisite Revision • Six-Year Review • Class Size Revision 	30	Class time focuses on individualized instruction, student presentation time, and/or group learning. Requires three or more oral presentations, which are assessed for critical thinking, conceptual understanding, structure, style and mechanics.	2017 Fall	Six-Year Review. Textbooks. Class size revision from 25 to 30 in order to reflect the Class Size Planning and Resource Document.

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DELETE COURSES

COURSE ID	EFF DATE	JUSTIFICATION
ARAB 101 F Elementary Arabic I <i>MSU Approved</i>	2017 Fall	The department has agreed to delete ARAB 101 F Elementary Arabic I because it is no longer offered.
ARAB 102 F Elementary Arabic II <i>MSU Approved</i>	2017 Fall	The department has agreed to remove ARAB 102 F Elementary Arabic II because the course is no longer being offered.
MACH 040 F CNC Wire EDM Prog & Operations <i>Tabled-wtg on all proposals for 2018</i>	2018 Fall	Course deletion, not replacing a new course. The machine technology program no longer has the equipment to support instruction of this class.
MACH 043 F Advanced Topics in Machine Technology <i>Tabled-wtg on all proposals for 2018</i>	2018 Fall	Course deletion. This 043 F machine technology course is being replaced by the Machine Technology 104 F course.
MACH 050 F CNC Programming Using Mastercam <i>Tabled-wtg on all proposals for 2018</i>	2018 Fall	Course deletion. This 050 F machine technology course is being replaced by the Machine Technology 150 F course.
MACH 060 F CNC Programming Using SURFCAM <i>Tabled-wtg on all proposals for 2018</i>	2018 Fall	Course deletion. MACH 60 F is being deleted and replaced by MACH 154 F.
PHYS 221HF Honors General Physics I <i>MSU Approved</i>	2017 Fall	The course has never been offered due to a lack of staff and lack of articulation. The lack of articulation is because in our outline, we claimed that what would make this course special was a lab curriculum that was more like real scientific inquiry and less like verifying statements in the textbook. Articulation folks at 4-year schools wanted to know what our special lab curriculum was, but it hasn't been created yet, and we have no staff who want to work on creating it anytime soon. Deleting this course will not impact any programs, because any requirement that 221H satisfies can be satisfied by 221 instead.

NEW DEGREES/CERTIFICATES

DEGREE	ACTION TAKEN	EFF DATE	JUSTIFICATION
Biology <i>MSU Approved</i>	The Biotechnology Laboratory Technician Certificate is designed for students who wish to obtain the skills required to gain employment in bioscience and biotechnology-influenced laboratories. Upon completion of this certificate program, students will be eligible to obtain employment as laboratory assistants, biomanufacturing technicians, or bioscience research and development technicians. The Biotechnology Laboratory Technician Certificate requires the completion of 20 units in required courses. An additional two courses (7-10 units) must be chosen from the restricted electives listed below. A grade of C or above must be earned for each of the courses.	2017 Fall	A biotechnology advisory committee met twice with Orange County community colleges and recommended developing a stackable certificate that would provide new students and incumbent workers with skills to enter and advance in this growing industry. The proposed certificate comprises a mix of courses that are blend of skills-intensive biotechnology courses and UC/CSU transferable courses, some of which are required of biology majors. This blend will allow students

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	<p>Biotechnology Laboratory Technician Certificate</p> <p>Required Courses (20 units):</p> <p style="padding-left: 40px;">Units</p> <p>BIOL 190 F Introduction to Biotechnology 3</p> <p>BIOL 190LF Introduction to Biotechnology Lab 1</p> <p>BIOL 191 F Biotechnology A: Basic Laboratory Skills 4</p> <p>BIOL 192 F Biotechnology B: Protein Biochemistry 4</p> <p>BIOL 193 F Biotechnology C: Molecular Biology 4</p> <p>BIOL 194 F Quality and Regulatory Compliance in the Biosciences 2</p> <p>BIOL 196 F Tissue Culture Methods 2</p> <p>Restricted Electives (7-10 units):</p> <p style="padding-left: 40px;">Units</p> <p>BIOL 109 F Genetics and Biotechnology in Society 3</p> <p>BIOL 272 F Cell and Molecular Biology 4</p> <p>CHEM 111BF General Chemistry II 5</p> <p>MICR 262 F General Microbiology 5</p> <p>MICR 220 F Medical Microbiology 4</p> <p>Total Units 27 - 30</p>		<p>who are job-oriented to acquired skills needed to enter a growing and high-wage field but also take courses that can be applied to a science/biology degree should they decide to pursue more education.</p>
<p>Child Development and Educational Studies</p> <p>MSU Approved</p>	<p>The Associate in Arts Degree for Transfer in Child and Adolescent Development, also called the AA-T (or ADT), prepares students to transfer to CSU campuses that offer bachelor's degrees in Child and Adolescent Development. Ed Code Section 66746-66749 states students earning the Child and Adolescent Development AA-T will be granted priority for admission as an Child and Adolescent Development major to a local CSU, as determined by the CSU campus to which the student applies. This degree requires students to complete 60 CSU transferable units including completion of CSU GE or IGETC, and 19 units in the major, with a cumulative GPA of 2.0 or better. Title 5 requires that students earn a grade of C or better in all major coursework. There are no additional graduation requirements. The program is</p>	<p>2017 Fall</p>	<p>New transfer degree proposed to meet SB 1440 mandate.</p>

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<p>designed to prepare students for working with young children from birth through adolescence, and for employment in child development programs, public and private pre-schools, and children's centers. The Associate in Arts Degree for Transfer in Child and Adolescent Development requires a total of 19 units.</p> <p>Child and Adolescent Development Associate in Arts Degree for Transfer</p> <p>Required Courses: Select 3 courses (10 units)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Units</td> </tr> <tr> <td>CDES 120 F Child Development 3</td> </tr> <tr> <td>PSY 101 F General Psychology 3</td> </tr> <tr> <td>or</td> </tr> <tr> <td>PSY 101HF Honors General Psychology 3</td> </tr> <tr> <td>MATH 120 F Introductory Probability and Statistics 4</td> </tr> <tr> <td>or</td> </tr> <tr> <td>MATH 120HF Honors Introductory Probability and Statistics 4</td> </tr> <tr> <td>or</td> </tr> <tr> <td>PSY 161 F Elementary Statistics for Behavioral Science 4</td> </tr> <tr> <td>or</td> </tr> <tr> <td>PSY 161HF Honors Elementary Statistics for Behavioral Science 4</td> </tr> <tr> <td>or</td> </tr> <tr> <td>SOSC 120 F Introduction to Probability and Statistics 4</td> </tr> <tr> <td colspan="2">Restricted Electives: Select 3 courses (9 units)</td> </tr> <tr> <td style="text-align: center;">Units</td> </tr> <tr> <td>ANTH 102 F Cultural Anthropology 3</td> </tr> <tr> <td>or</td> </tr> <tr> <td>ANTH 102HF Honors Cultural Anthropology 3</td> </tr> <tr> <td>BIOL 102 F Human Biology 3</td> </tr> <tr> <td>CDES 115 F Introduction to Early Childhood Education Curriculum 3</td> </tr> <tr> <td>CDES 201 F Child in the Home and Community 3</td> </tr> <tr> <td>PSY 139 F Developmental Psychology: Life Cycle</td> </tr> </table>	Units	CDES 120 F Child Development 3	PSY 101 F General Psychology 3	or	PSY 101HF Honors General Psychology 3	MATH 120 F Introductory Probability and Statistics 4	or	MATH 120HF Honors Introductory Probability and Statistics 4	or	PSY 161 F Elementary Statistics for Behavioral Science 4	or	PSY 161HF Honors Elementary Statistics for Behavioral Science 4	or	SOSC 120 F Introduction to Probability and Statistics 4	Restricted Electives: Select 3 courses (9 units)		Units	ANTH 102 F Cultural Anthropology 3	or	ANTH 102HF Honors Cultural Anthropology 3	BIOL 102 F Human Biology 3	CDES 115 F Introduction to Early Childhood Education Curriculum 3	CDES 201 F Child in the Home and Community 3	PSY 139 F Developmental Psychology: Life Cycle	
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	3		
SOC 101 F Introduction to Sociology	3		
or			
SOC 101HF Honors Introduction to Sociology	3		
	3		
SOC 275 F Marriage and Family	3		
or			
SOC 275HF Honors Marriage and Family	3		
	3		
SOC 290 F Sociology of Race and Ethnicity	3		
Total Units	19		

REVISED DEGREES/CERTIFICATES

DEGREE	PROGRAM OUTLINE	EFF DATE	JUSTIFICATION
Machine Technology	<p>CNC Operator Skills Certificate</p> <p>The CNC Operator Skills Certificate is designed to prepare students for entry-level employment as CNC (Computer Numerical Control) machine tool operators and to enhance the skills of machinists who are currently employed in the trade. This type of certificate program can also lead to entry level careers as a machinist, toolmaker, CNC programmer, manufacturing engineer, process engineer, field service technician as well as a number of other manufacturing/service positions. This certificate requires a total of 14 units. At least one half of the units toward the certificate must be completed at Fullerton College. A minimum grade of C is required for each course taken.</p> <p>Required courses (14 units)</p> <p style="text-align: center;">Units</p> <p>MACH 101 F Introduction to Machine Tools 5</p> <p>MACH 110 F CNC Machine Set-Up and Operation 3</p> <p>MACH 115 F CNC Parts Programming 3</p> <p>MACH 120 F Advanced CNC Machining 3</p> <p>Total Units 14</p>	2018 Fall	Six-Year Review, removing courses MACH 086 F, MACH 091 F, MACH 087 F, and MACH 088 F. Adding new courses MACH 101 F, MACH 110 F, MACH 115 F, and MACH 120 F. These changes do not change the total units required for certificate. New courses in the approval process FY 2018.

Tabled-wtg on all proposals for 2018

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<p>Machine Technology</p> <p style="color: red; font-size: small;">Tabled-wtg on all proposals for 2018</p>	<p>Machine Technology Level I Certificate</p> <p>The Machine Technology Level I Certificate Program is designed for students wishing to pursue a career in machining or manufacturing. This type of certificate program typically leads to entry level careers as a machinist, toolmaker, CNC operator, CNC programmer, manufacturing engineer, process engineer, field service technician as well as a number of other manufacturing/service positions. This certificate requires a total of 18 units. At least one half of the units toward the certificate must be completed at Fullerton College. A minimum grade of C is required for each course taken.</p> <p>Required Courses (18 units)</p> <table style="margin-left: 40px;"> <tr><td>Units</td><td></td></tr> <tr><td>MACH 101 F Introduction to Machine Tools</td><td style="text-align: center;">5</td></tr> <tr><td>MACH 102 F Intermediate Machine Tools</td><td style="text-align: center;">5</td></tr> <tr><td>MACH 103 F Advanced Machine Tools</td><td style="text-align: center;">5</td></tr> <tr><td>MACH 110 F CNC Machine Set-Up and Operation</td><td style="text-align: center;">3</td></tr> <tr><td> Total Units</td><td style="text-align: center;"> 18</td></tr> </table>	Units		MACH 101 F Introduction to Machine Tools	5	MACH 102 F Intermediate Machine Tools	5	MACH 103 F Advanced Machine Tools	5	MACH 110 F CNC Machine Set-Up and Operation	3	 Total Units	 18	<p>2018 Fall</p>	<p>This program is being revised as part of the six year review process and to add the SLOA to the program. As part of the Six-Year Review, removing courses MACH 086 F; MACH 091 F, MACH 092 F, and MACH 093 F. Adding new courses MACH 101 F, MACH 102 F; MACH 103 F; MACH 110 F. Removed MACH 116 F. These changes do not change the total number of units required for certificate. New courses in the approval process FY 2018. TOP code has been changed from "Machining and Machine Tools" 956.30 to "Manufacturing and Industrial" 956.00 to reflect a more comprehensive category which is in alignment with teaching strategies to make students more employable. TOP code 956.00 is also in alignment with CIP code which will allow students to transfer to a 4 year school more easily. Does not change the total of units. The total units were initially incorrect. No other changes have been made.</p>
Units															
MACH 101 F Introduction to Machine Tools	5														
MACH 102 F Intermediate Machine Tools	5														
MACH 103 F Advanced Machine Tools	5														
MACH 110 F CNC Machine Set-Up and Operation	3														
 Total Units	 18														
<p>Nutrition and Foods</p> <p style="color: blue; font-size: small;">MSU Approved</p>	<p>Nutrition and Foods Associate in Arts Degree</p> <p>The Nutrition and Foods Associate in Arts Degree includes coursework that is applicable to a transfer program at selected universities and colleges in the field of Dietetics, Food and Nutrition. Within the field of Nutrition and Foods, professionals work in healthcare, education and research, business and industry. Careers are also available in government, food service management, fitness, food companies and in private practice. This degree requires completion of 18-21 units of which 9 are in required courses. Select 9-12 units from the restricted electives below so that a minimum of 18 units are completed.</p> <p>Required Courses (9 units)</p> <table style="margin-left: 40px;"> <tr><td>Units</td><td></td></tr> <tr><td>FOOD 102 F Introduction to Foods</td><td style="text-align: center;">3</td></tr> <tr><td>FOOD 130 F Cultural Aspects of Food</td><td style="text-align: center;">3</td></tr> <tr><td>NUTR 210 F Human Nutrition</td><td style="text-align: center;">3</td></tr> </table>	Units		FOOD 102 F Introduction to Foods	3	FOOD 130 F Cultural Aspects of Food	3	NUTR 210 F Human Nutrition	3	<p>2017 Fall</p>	<p>FOOD 130 F units changed from 2 to 3 units to reflect current trends in academia. Required courses total changes from 8 to 9 units. Restricted electives revised from 10 to minimum of 9-12 revising total units from 18 to 18-21.</p>				
Units															
FOOD 102 F Introduction to Foods	3														
FOOD 130 F Cultural Aspects of Food	3														
NUTR 210 F Human Nutrition	3														

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<p>Restricted Electives (9-12 units) Units</p> <p>ANAT 231 F General Human Anatomy 4</p> <p>ANAT 240 F Human Physiology 5</p> <p>CHEM 111AF General Chemistry I 5</p> <p>CHEM 111BF General Chemistry II 5</p> <p>CIS 100 F Introduction to Personal Computers 4</p> <p>or CIS 100HF Honors Introduction to Personal Computers 4</p> <p>MATH 142 F Trigonometry 4</p> <p>MICR 262 F General Microbiology 5</p> <p>PHYS 130 F Elementary Physics 4</p> <p>Total Units 18 - 21</p>		
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