

**Curriculum Instructional Council
Actions Proposed – September 12, 2019**

Subject: Administration Of Justice (ADJU) Discipline: Administration of Justice

<p>383 POST Certified Regional Academy Module 3 26.5 - 30 hours lecture, 36 - 47 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Administration of Justice 382 with a grade of "C" or better, or equivalent. <i>Advisory:</i> English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Milestone R50 and W50. This peace officer orientation program module provides for the continued development of law enforcement skills and concepts acquired in Modules 1 and 2. It introduces students to Welfare and Institutions (W&I) classifications, Alcoholic Beverage Control (ABC) laws, unusual occurrences, missing persons, and weapons violations. Students must complete the 4-module instructional program in succession.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i></p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2020</p>
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Subject: Administration Of Justice (ADJU) Discipline: Administration of Justice

<p>384 POST Certified Regional Academy Module 4 40 - 45 hours lecture, 72 - 81 hours lab, 4 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Administration of Justice 383 with a grade of "C" or better, or equivalent. <i>Advisory:</i> English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Milestone R50 and W50. This peace officer orientation program module provides for the continued development of law enforcement skills and concepts acquired in Modules 1, 2, and 3. It emphasizes topics related to officer survival; crimes in progress; combat situations; and preliminary investigations of missing persons and death cases. Students must complete the 4-module instructional program in succession.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i></p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2020</p>
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 ~Course requires CCCC submission

**Curriculum Instructional Council
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Subject: Aviation Maintenance Technology (AVIM) Discipline: Aeronautics

<p>101G General Aviation Technology Theory I</p> <p align="right">96 - 108 hours lecture, 6 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Mathematics 38 with a grade of "C" or better, or equivalent or Milestone M30. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Aviation Maintenance Technology 100, Aviation Maintenance Technology 101A, or Aviation Maintenance Technology 101B. This course introduces the theory of basic aerodynamics. Students learn about aircraft nomenclature and structure; stability; primary and secondary flight controls; and fixed and rotary wing principles of operation. Other topics include Federal Aviation Administration (FAA) and manufacturers' aircraft specifications; data sheets; manuals; publications; and related Federal Aviation Regulations (FARs), forms, and records. The course also covers weight and balance theory and ground operation and servicing. It is intended for students majoring in Aviation Maintenance.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Texts</i></p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2020</p>
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Subject: Aviation Maintenance Technology (AVIM) Discipline: Aeronautics

<p>101H General Aviation Technology Theory II</p> <p align="right">96 - 108 hours lecture, 6 units Grade Only</p> <p>REQUISITES: <i>Corequisite:</i> Completion of or concurrent enrollment in Aviation Maintenance Technology 101G with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Aviation Maintenance Technology 100, Aviation Maintenance Technology 101C, or Aviation Maintenance Technology 101D. This course introduces students to the theory of aircraft fuel systems and components; instrumentation; and aircraft materials and processes. Topics include fuel management; fueling and defueling systems; dump systems; fluid lines and fittings; airframe instrument systems; corrosion control; aircraft hardware identification; materials and processes; precision measuring; and non-destructive testing. Students also practice documenting aircraft inspections and repairs. This course is intended for students majoring in Aviation Maintenance.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Texts</i></p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2020</p>
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**Curriculum Instructional Council
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Subject: Aviation Maintenance Technology (AVIM) Discipline: Aeronautics

<p>102G General Aviation Maintenance Technology Practices I 96 - 108 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Aviation Maintenance Technology 101G with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Aviation Maintenance Technology 50, Aviation Maintenance Technology 100L, Aviation Maintenance Technology 100S, Aviation Maintenance Technology 102A, Aviation Maintenance Technology 102B, or Aviation Maintenance Technology 102E. This course provides practical training in the use of basic aviation maintenance hand and power tools. Students learn about safety wiring, twist drills, torque methods, Federal Aviation Administration (FAA) forms and publications, ground handling, and aircraft weight and balance. The content of this course meets the minimum requirements of Federal Aviation Regulation (FAR) Part 147; Appendix B; Subjects C, F, H, I, J, K, and L. This course is intended for students majoring in Aviation Maintenance.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Texts</i></p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2020</p>
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Subject: Aviation Maintenance Technology (AVIM) Discipline: Aeronautics

<p>102H General Aviation Maintenance Technology Practices II 96 - 108 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Aviation Maintenance Technology 101H and Aviation Maintenance Technology 102G, each with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Aviation Maintenance Technology 50, Aviation Maintenance Technology 100L, Aviation Maintenance Technology 100S, Aviation Maintenance Technology 102C, Aviation Maintenance Technology 102D, or Aviation Maintenance Technology 102E. This course provides practical training in aircraft fuel and instrument systems, materials, and blueprints. Topics include materials and processes; precision measuring; aircraft hardware; corrosion control; drafting; and blueprint reading. The content of this course meets the minimum requirements of Federal Aviation Regulation (FAR) Part 147; Appendix B; Subjects B, D, E, and G and Part 147; Appendix C, Section II, Subjects D and F. This course is intended for students majoring in Aviation Maintenance.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Supplies</i> <i>Texts</i></p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2020</p>
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Curriculum Instructional Council Actions Proposed – September 12, 2019

Subject: Aviation Maintenance Technology (AVIM) Discipline: Aeronautics, Electricity, Electronic Technology, or Electronics

<p>120 Basic D.C. Electronics Theory</p> <p style="text-align: right;">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Mathematics 38 with a grade of "C" or better, or equivalent or Milestone M30. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Electronic Systems 124 or Electronic Systems 124L or Electronics 120 or Electronics 120A or Electricity 111 or Electricity 111L. This course provides instruction in direct current electronics theory. Topics include atomic theory; direct current concepts; series, parallel, and circuit analysis; magnetism; and electromagnetism. The course emphasizes the theoretical application of Ohm's and Kirchhoff's laws. It is intended for students majoring in Aviation Maintenance Technology or those seeking a Federal Aviation Administration (FAA) Mechanics Certificate with Airframe or Powerplant rating.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Texts</i></p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2020</p>
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Subject: Aviation Maintenance Technology (AVIM) Discipline: Aeronautics, Electricity, Electronic Technology, or Electronics

<p>121A Applied Basic D.C. Electronics</p> <p style="text-align: right;">72 - 81 hours lab, 1.5 units Grade Only</p> <p>REQUISITES: <i>Corequisite:</i> Completion of or concurrent enrollment in Aviation Maintenance Technology 120 with a grade of "C" or better, or equivalent. <i>Advisory:</i> Mathematics 38 with a grade of "C" or better, or equivalent or Milestone M30. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Electronic Systems 124, Electronic Systems 124L, or Electronics 121, Electronics 121A or Electronics 123, or Electricity 111 or Electricity 111L. This course provides instruction in practical applications of direct current electronics theory. Topics include atomic theory; direct current concepts; series, parallel, and circuit analysis; magnetism; and electromagnetism. The course emphasizes the proper use of multimeters and the troubleshooting of direct current circuits. It meets the minimum requirements of Federal Aviation Regulation (FAR) Part 147, Appendix B, Subject A. This course is intended for students majoring in Aviation Maintenance Technology or those seeking a Federal Aviation Administration (FAA) Mechanics Certificate with Airframe or Powerplant rating.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Texts</i></p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2020</p>
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**Curriculum Instructional Council
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Subject: Business (BUSE) Discipline: Business, Economics, or Mathematics

<p>115 Statistics for Business</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Mathematics 59 or Mathematics 57A, each with a grade of "C" or better, or equivalent or Mathematics 92 or Mathematics 96, each with a grade of "C" or better, or equivalent or Milestone M40 or M50. <i>Advisory:</i> Computer Business Technology 140 or Computer Business Technology 143, each with a grade of "C" or better, or equivalent. This course is a study of statistical analysis. Topics include descriptive statistics, probability, confidence intervals, hypothesis testing, analysis of variance (ANOVA), and regression and correlation analyses as aids for business decision making. This course is designed for students majoring in business, economics, information technology, social science, or related fields.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. IGETC. UC Transfer Course List. CSU General Education.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Methods of Instruction</i> <i>Prerequisite (New)</i> <i>Texts</i></p> <p>Proposed for College(s): City, Mesa, Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2020</p>
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Subject: Child Development (CHIL) Discipline: Child Development/Early Childhood Education

<p>131 Curriculum: Language/Science</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Child Development 133 or Child Development 135. This course is an introductory study of the function of language, math, and science learning in early childhood educational programs. Emphasis is placed on the development of language and science curriculum activities, basic teaching skills, guidance techniques, equipment, and materials. Students select appropriate activities for a variety of age groups and maturity levels based on child development theories and concepts. This course is designed for Child Development majors and may be used to partially fulfill requirements for Title 22 licensing and child development permits.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Reading Assignments</i> <i>Texts</i> <i>Writing Assignments</i></p> <p>Proposed for College(s): Mesa, Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2020</p>
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Curriculum Instructional Council Actions Proposed – September 12, 2019

Subject: Computer And Information Sciences (CISC) Discipline: Computer Science

<p>220 Fundamentals of Computer Game Programming 48 - 54 hours lecture, 48 - 54 hours lab, 4 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Computer and Information Sciences 179, Computer and Information Sciences 187, Computer and Information Sciences 190, Computer and Information Sciences 192 or Computer and Information Sciences 193, each with a grade of "C" or better, or equivalent. This course introduces software programmers to the design and development of simple graphical computer-based games. The course may use Java or C# as the programming language of choice. Emphasis is placed on developing games in a team environment, designing logical games that satisfy player needs, and ensuring that games are of high quality through use of software engineering best practices and proper testing. This course is for students with some previous software programming experience.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC Transfer Course List.</p>	<p>Offered At: City, Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Course Description</i> <i>Critical Thinking Assignments</i> <i>Methods of Evaluation</i> <i>Outline of Topics</i> <i>Outside Assignments</i> <i>Reading Assignments</i> <i>Texts</i> <i>Writing Assignments</i></p> <p>Proposed for College(s): City, Mesa</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2020</p>
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Subject: Computer And Information Sciences (CISC) Discipline: Computer Science

<p>~ 221 Intermediate Computer Game Programming 48 - 54 hours lecture, 48 - 54 hours lab, 4 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Prerequisite:</i> Computer and Information Sciences 220 with a grade of "C" or better, or equivalent. This course covers the field of software game program development. Students work as a team to design and build a complex software game. Students learn more complex elements of game construction, the constituent technologies that facilitate their development, and collaborative software development and integration methodologies. This course is designed for students interested in furthering their knowledge in software game development.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City, Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Critical Thinking Assignments</i> <i>Methods of Evaluation</i> <i>Methods of Instruction</i> <i>Outline of Topics</i> <i>Outside Assignments</i> <i>Reading Assignments</i> <i>Student Learning Objectives</i> <i>Supplies</i> <i>Texts</i> <i>Title Change</i> <i>Writing Assignments</i></p> <p>Proposed for College(s): City, Mesa</p> <p>Originating Campus: CITY</p> <p>Dist. Ed Proposed For College(s): City</p> <p>Effective: Fall 2020</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Proposed – September 12, 2019**

Subject: Computer And Information Sciences (CISC) Discipline: Computer Information Systems

<p>~ 270 Work Experience</p> <p align="right">60 - 300 hours other, 1-4 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Obtain Permission Number-Work Exp. Coordinator. This course provides on-the-job learning experiences for students employed in a job or internship related to an occupational major. Students develop workplace competencies, critical thinking skills, and problem solving abilities through the creation and achievement of job-related behavioral learning objectives. One unit of credit may be earned for each 75 hours of paid employment or 60 hours of volunteer work. This course may be taken up to four times. However, the combined maximum credit for all Work Experience courses from all subject areas may not exceed 16 units. This course is intended for students majoring or interested in an occupational field of study.</p> <p>FIELD TRIP REQUIREMENTS: Not required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City, Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Limitation on Enrollment (New)</i> <i>Methods of Evaluation</i> <i>Methods of Instruction</i> <i>Outside Assignments</i> <i>Stand Alone Status (Mesa)</i> <i>Texts</i></p> <p>Proposed for College(s): City, Mesa</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2020</p>
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Subject: Dance (DANC) Discipline: Dance

<p>140A Modern Dance I</p> <p align="right">8 - 9 hours lecture, 24 - 54 hours lab, 1-1.5 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Dance 140 or Physical Education 140. This course is an introduction to modern dance. Emphasis is placed on fundamental modern dance vocabulary, concepts, and techniques. Students are introduced to basic elements of choreography and history of early modern dance contributors. This course is designed for dance majors and all students interested in modern dance.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC Transfer Course List.</p>	<p>Offered At: City, Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Hours Change</i> <i>Student Learning Objectives</i> <i>Texts</i></p> <p>Proposed for College(s): City, Mesa</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2020</p>
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**Curriculum Instructional Council
Actions Proposed – September 12, 2019**

Subject: Dance (DANC) Discipline: Dance

<p>177A Dance Improvisation</p> <p align="right">8 - 9 hours lecture, 24 - 54 hours lab, 1-1.5 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> Dance 110A, Dance 135A, or Dance 140A, each with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Dance 177. This course is an introduction to improvisational dance. Emphasis is placed on space, time and energy as means for creating improvisational dance at the beginning level. This course is intended for all students interested in the use of improvisational movement in dance and non-dance settings.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC Transfer Course List.</p>	<p>Offered At: City, Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Hours Change</i> <i>Student Learning Objectives</i> <i>Texts</i></p> <p>Proposed for College(s): City, Mesa</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2020</p>
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Subject: Exercise Science (EXSC) Discipline: Physical Education

<p>174A Soccer I</p> <p align="right">24 - 54 hours lab, 0.5-1 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Physical Education 149 or Physical Education 149W. This course provides instruction in basic soccer skill technique, strategies, etiquette and rules necessary to play soccer at the novice level. Topics include basic dribbling, heading and collection with the soccer ball. Students also define, apply and interpret the basic rules and safety procedures within the game of soccer. This class is designed for students interested in an active lifestyle as well as for Kinesiology majors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC Transfer Course List.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Hours Change</i></p> <p>Proposed for College(s): City, Mesa, Miramar</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2020</p>
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**Curriculum Instructional Council
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Subject: Exercise Science (EXSC) Discipline: Physical Education

<p>174B Soccer II</p> <p align="right">24 - 54 hours lab, 0.5-1 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Exercise Science 174A with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Physical Education 149X. This course provides instruction in soccer technique, tactics, and physical skills necessary to play soccer at the beginning level. Topics include dribbling skills including scissors and Matthews moves, passing techniques and turning while collecting a soccer ball. Students also define and apply methods of scoring, set pieces and principles of team defense within the game of soccer. This class is designed for students interested in an active lifestyle as well as Kinesiology majors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC Transfer Course List.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Hours Change</i></p> <p>Proposed for College(s): City, Mesa, Miramar</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2020</p>
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Subject: Exercise Science (EXSC) Discipline: Physical Education

<p>174C Soccer III</p> <p align="right">24 - 54 hours lab, 0.5-1 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Exercise Science 174B with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Physical Education 149Y. This course provides instruction in individual soccer techniques, tactics, and physical skills necessary to play soccer at the intermediate level. Topics include shooting from both close and far distances, lofted passing techniques and offensive heading of the soccer ball. Students also define, apply and interpret methods of creating space, both offensively and defensively as an individual player. This class is designed for students interested in an active lifestyle as well as Kinesiology majors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC Transfer Course List.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Hours Change</i></p> <p>Proposed for College(s): City, Mesa, Miramar</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2020</p>
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**Curriculum Instructional Council
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Subject: Exercise Science (EXSC) Discipline: Physical Education

<p>174D Soccer IV</p> <p align="right">24 - 54 hours lab, 0.5-1 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Exercise Science 174C with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Physical Education 149Z. This course provides instruction in team soccer techniques, tactics, physical skills, etiquette, and rules necessary to play soccer at the advanced level. Topics include building the offensive through the back, playing through the midfield and attacking from the central and flank positions. Students also define and apply methods of zonal defending and defending various systems of play as a team. This class is designed for students interested in an active lifestyle as well as Kinesiology majors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC Transfer Course List.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Hours Change</i></p> <p>Proposed for College(s): City, Mesa, Miramar</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2020</p>
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Subject: Exercise Science (EXSC) Discipline: Physical Education

<p>~ 237A Theories and Strategies of Tennis I</p> <p align="right">24 - 27 hours lecture, 24 - 27 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Physical Education 248A. This course covers the theoretical concepts necessary for students to compete successfully in their first intercollegiate tennis season. Topics covered include mechanical analysis of fundamental through advanced tennis skills, offensive and defensive strategies, statistics, and rules. This course is offered separately for men and women who are interested in competing at the intercollegiate level.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC Transfer Course List.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Activation (Currently active at another college) <i>Texts</i></p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p><i>This course is being proposed at Mesa for UC Transfer Course List</i></p> <p>Effective: Fall 2020</p>
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**Curriculum Instructional Council
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Subject: Exercise Science (EXSC) Discipline: Physical Education

<p>~ 237B Theories and Strategies Tennis II 24 - 27 hours lecture, 24 - 27 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Physical Education 248B. This course further develops the theoretical and practical skills necessary for students to compete successfully in their second intercollegiate tennis season. Emphasis is placed on advanced offensive and defensive tennis skills and strategies. This course is offered separately for men and women who are interested in competing at the intercollegiate level.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC Transfer Course List.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Activation (Currently active at another college) <i>Texts</i></p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p><i>This course is being proposed at Mesa for UC Transfer Course List</i></p> <p>Effective: Fall 2020</p>
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Subject: Exercise Science (EXSC) Discipline: Physical Education

<p>*~ 244A Theories and Strategies of Swimming and Diving I 24 - 27 hours lecture, 24 - 27 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Advisory: Completion of or concurrent enrollment in Exercise Science 218 with a grade of "C" or better, or equivalent.</i> This course covers the theoretical concepts necessary for students to compete successfully in their first intercollegiate swimming and diving season. Topics covered include rules, history, race tactics, individual and team training and strategies. The physiological requirements for the intercollegiate athlete and importance of nutritional components for optimal performance are emphasized. Separate sections of this course are offered for men and women. The course is intended for intercollegiate athletes and students who may be interested in coaching swimming and diving teams.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: NONE</p> <p>Action(s) Proposed: New Course</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p><i>This course is being proposed at Mesa for UC Transfer Course List</i></p> <p>Effective: Fall 2020</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Proposed – September 12, 2019**

Subject: Exercise Science (EXSC) Discipline: Physical Education

<p>*~ 244B Theories and Strategies/Swimming and Diving II 24 - 27 hours lecture, 24 - 27 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Advisory: Completion of or concurrent enrollment in Exercise Science 219 with a grade of "C" or better, or equivalent.</i> This course covers advanced theoretical concepts and techniques for intercollegiate swimming and diving competition. Emphasis is placed on team development, competition scheduling, site preparation, and teaching the principles of swimming and diving program management. Topics include advanced team strategies, officiating, facilities, and organizational procedures for administrating a college swimming and diving meet. Concepts of team building, leadership and social skills necessary for success at the intercollegiate level are also emphasized. Separate sections of this course are offered for men and women. This course is designed for second-year students who are participating in this sport and for those who are interested in coaching swimming and diving.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: NONE</p> <p>Action(s) Proposed: New Course</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p><i>This course is being proposed at Mesa for UC Transfer Course List</i></p> <p>Effective: Fall 2020</p>
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Subject: Exercise Science (EXSC) Discipline: Physical Education

<p>~ 270 Exercise Science Internship / Work Experience 60 - 300 hours other, 1-4 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Physical Education 270. This course provides on-the-job learning experience for students employed in an exercise science-related job or internship. Students develop workplace competencies, critical thinking skills, and problem solving abilities through the creation and achievement of job-related behavioral learning objectives. One unit of credit may be earned for each 75 hours of paid employment or 60 hours of volunteer work. This course may be taken up to four times. However, the combined maximum credit for all Work Experience courses from all subject areas may not exceed 16 units. This course is intended for students majoring in Exercise Science or those interested in the fitness, health, and wellness industry. This includes but is not limited to the fields of personal training, physical therapy, strength and conditioning, health and wellness coaching, and yoga teaching.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Outside Assignments</i> <i>Texts</i> <i>Title Change</i></p> <p>Proposed for College(s): City, Mesa, Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2020</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Proposed – September 12, 2019**

Subject: Exercise Science (EXSC) Discipline: Physical Education

<p>288 Fitness Specialist Internship Lecture</p> <p align="right">16 - 18 hours lecture, 1 units Grade Only</p> <p>REQUISITES: <i>Advisory: Concurrent enrollment in Exercise Science 270 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Physical Education 287, Physical Therapist Assistant 188 or Exercise Science 287. This course is designed to provide students in the Fitness Specialist Certificate Program with practical experience in the field of exercise and fitness. Emphasis is placed on participant screening, evaluation, and exercise program design; self-marketing; fitness specialist/client relationships; and professional responsibility in a fitness setting.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Prerequisite (Remove)</i></p> <p>Proposed for College(s): City, Mesa, Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2020</p>
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Subject: History (HIST) Discipline: History

<p>106 Introduction to Western Civilization II</p> <p align="right">48 - 54 hours lecture, 3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent. This course is a historical survey of Western Civilization from early modernism to the present. Students are introduced to the ideas, attitudes, and institutions basic to Western Civilization. Topics include the political structures, social structures, forms of cultural expression, and patterns of change during key periods of Western history. This course is intended for history majors as well as any student seeking a broad historical perspective.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Texts</i></p> <p>Proposed for College(s): City, Mesa, Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2020</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Proposed – September 12, 2019**

Subject: Mathematics (MATH) Discipline: Mathematics

<p>98 Technical Intermediate Algebra and Geometry 64 - 72 hours lecture, 4 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> Mathematics 46 with a grade of "C" or better, or equivalent or Milestone M30. This course introduces an applied technology approach to problem solving in Intermediate Algebra and Geometry. Students are expected to apply problem solving techniques to technology-based situations in their technical physics and applied technology courses. Topics include scientific notation, algebra of functions, linear systems of equations, graphing using log and semi-log paper, technology applications of quadratic, exponential and logarithmic functions, right triangle trigonometry, applications in electronics of vectors and phasors. Special emphasis is placed on the use of the graphing calculator and mathematical software packages to solve application problems. This course is intended for students in the Engineering and applied technologies majors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (Change)</i> <i>Course Description</i> <i>Field Trip</i> <i>Methods of Evaluation</i> <i>Outline of Topics</i> <i>Prerequisite (Remove)</i> <i>Reading Assignments</i> <i>Texts</i> <i>Writing Assignments</i></p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2020</p>
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Subject: Manufacturing Engineering Technology (MFET) Discipline: Industrial Technology or Manufacturing Technology

<p>210 Statistical Process Control 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Mathematics 96 with a grade of "C" or better, or equivalent or Milestone M50 or Mathematics 98 or Mathematics 119, each with a grade of "C" or better, or equivalent. This lecture/lab course familiarizes students with the applications of statistics in process and quality control function. Students learn to acquire, analyze and interpret data from a process to determine if it is in statistical control and capable of meeting customer's requirements. Statistical techniques include the use of basic graphs and diagrams, control charts, process mean and variability, process capability, sampling and normal distribution. The course also introduces students to the concepts of Six Sigma and design of experiments as part of quality control and improvement. This course is designed for students who are interested in process control, quality improvement and industrial management.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Distance Learning - No Other Action</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Dist. Ed Revision For College(s): City</p> <p>Effective: Fall 2020</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Proposed – September 12, 2019**

Subject: Manufacturing Engineering Technology (MFET)

<p>240 Six Sigma and Lean Implementation 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Manufacturing Engineering Technology 210 and Manufacturing Engineering Technology 230, each with a grade of "C" or better, or equivalent. This lecture/lab course concentrates on six sigma concepts and implementation of lean in a business organization. Students learn the principles of six sigma and the utilization of six sigma tools in project application. The course also covers DMAIC (Define, Measure, Analyze, Improve, Control) problem solving methodology, team building and project management skills. This course is designed for those who are interested in participating in and/or implementing lean/six sigma at their organization.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Distance Learning - No Other Action</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Dist. Ed Revision For College(s): City</p> <p>Effective: Spring 2020</p>
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Subject: Music (MUSI) Discipline: Commercial Music or Music

<p>204 Audio System Design and Maintenance 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Music 190 with a grade of "C" or better, or equivalent. In this course students learn to design, operate, and maintain audio systems. Lessons and assignments target commercial and residential audio systems and their design, function, installation, operation, and maintenance. This course is intended for students majoring in Audio Production and Engineering or anyone interested in the operation and maintenance of audio systems.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Outline of Topics</i> <i>Outside Assignments</i> <i>Prerequisite (Change)</i> <i>Supplies</i> <i>Texts</i></p> <p>Proposed for College(s): City, Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2020</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Proposed – September 12, 2019**

Subject: Physics (PHYS) Discipline: Physics/Astronomy

<p>126 General Physics II</p> <p align="right">64 - 72 hours lecture, 48 - 54 hours lab, 5 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Prerequisite:</i> Physics 125 with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Physics 120B, Physics 124B, Physics 125B, Physics 181B, Physics 195B or Physics 196. This second course in a two-part introductory survey explores the concepts and principles of physics. Topics include electricity, magnetism, light, and modern physics. This course is intended for students taking liberal arts and/or pre-professional courses that do not require physics with calculus.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Reading Assignments</i> <i>Supplies</i> <i>Texts</i></p> <p>Proposed for College(s): City, Mesa, Miramar</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2020</p>
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Subject: Psychology (PSYC) Discipline: Psychology

<p>111 Psychological/Social Aspects of Aging, Death and Dying</p> <p align="right">48 - 54 hours lecture, 3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent. This course is a study of the psychological, physiological and social factors influencing behavior throughout the aging process, including the aspects of death and dying. This course is intended for students majoring in psychology and for all students interested in the psychology of aging.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.</p>	<p>Offered At: City, Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (Change)</i> <i>Outline of Topics</i> <i>Texts</i></p> <p>Proposed for College(s): City, Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2020</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

Proposed

**Curriculum Instructional Council
Actions Proposed – September 12, 2019**

PROGRAM CHANGES

(Note: To view from *Proposals* screen, click *Program Search* button, scroll down to program name, then option title, if appropriate, and click *PR* icon.)

*History

Program Revision- *Proposed*

History- Mesa, PID 3872: Effective Fall 2020

History Associate of Arts

*Liberal Arts and Sciences

Program Deactivation- *Proposed*

Latin- Mesa, PID 3847: Effective Fall 2020

Liberal Arts and Sciences: Language Arts and Humanities-Latin Associate of Arts

*Liberal Arts and Sciences

Program Deactivation- *Proposed*

Tagalog- Mesa, PID 3848: Effective Fall 2020

Liberal Arts and Sciences: Language Arts and Humanities-Tagalog Associate of Arts

*Requires Board of Trustees approval prior to implementation

~Course requires CCCCO submission