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

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

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

384 POST Certified Regional Academy Module 4	Offered At: Miramar
40 - 45 hours lecture, 72 - 81 hours lab, 4 units	
Grade Only	Action(s) Proposed: Course Revision
	(May Include Activation)
REQUISITES:	Six Year Review
Prerequisite: Administration of Justice 383 with a grade of "C" or better, or equivalent.	Course Description
<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.	Approved
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	Proposed for College(s): Miramar
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	<b>Originating Campus: MIRAMAR</b>
instructional program in succession.	Effective: Fall 2020
FIELD TRIP REQUIREMENTS: May be required	
TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.	

\*Requires Board of Trustees approval prior to implementation

Subject: Aviation Maintenance Technology (AVIM) Discipline: Aeronautics

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

Subject: Aviation Maintenance Technology (AVIM) Discipline: Aeronautics

101H General Aviation Technology Theory II	Offered At: Miramar
96 - 108 hours lecture, 6 units	
Grade Only	Action(s) Proposed: Course Revision
	(May Include Activation)
REQUISITES:	Six Year Review
Corequisite: Completion of or concurrent enrollment in Aviation Maintenance	Texts
Technology 101G with a grade of "C" or better, or equivalent.	Approved
Limitation on Enrollment: This course is not open to students with previous credit for	II
Aviation Maintenance Technology 100, Aviation Maintenance Technology 101C, or	Proposed for College(s): Miramar
Aviation Maintenance Technology 101D.	
This course introduces students to the theory of aircraft fuel systems and components;	<b>Originating Campus: MIRAMAR</b>
instrumentation; and aircraft materials and processes. Topics include fuel management;	
fueling and defueling systems; dump systems; fluid lines and fittings; airframe	Effective: Fall 2020
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.	
FIELD TRIP REQUIREMENTS: May be required	
rield i Kii KeQUIKEMIENIS. May be lequiled	
TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.	

### Subject: Aviation Maintenance Technology (AVIM) Discipline: Aeronautics

102G General Aviation Maintenance Technology Practices I	Offered At: Miramar
96 - 108 hours lab, 2 units	
Grade Only	Action(s) Proposed: Course Revision
	(May Include Activation)
REQUISITES:	Six Year Review
Corequisite: Completion of or concurrent enrollment in Aviation Maintenance	Texts
Technology 101G with a grade of "C" or better, or equivalent.	Approved
<i>Limitation on Enrollment:</i> This course is not open to students with previous credit for	
Aviation Maintenance Technology 50, Aviation Maintenance Technology 100L,	<b>Proposed for College(s):</b> Miramar
Aviation Maintenance Technology 100S, Aviation Maintenance Technology 102A,	
Aviation Maintenance Technology 102B, or Aviation Maintenance Technology 102E.	<b>Originating Campus: MIRAMAR</b>
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	Effective: Fall 2020
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.	
FIELD TRIP REQUIREMENTS: May be required	
<b>TRANSFER APPLICABILITY:</b> Associate Degree Credit & transfer to CSU.	

Subject: Aviation Maintenance Technology (AVIM) Discipline: Aeronautics

102H General Aviation Maintenance Technology Practices II	Offered At: Miramar
96 - 108 hours lab, 2 units	
Grade Only	Action(s) Proposed: Course Revision
	(May Include Activation)
REQUISITES:	Six Year Review
Corequisite: Completion of or concurrent enrollment in Aviation Maintenance	Supplies
Technology 101H and Aviation Maintenance Technology 102G, each with a grade of	Texts
"C" or better, or equivalent.	Approved
Limitation on Enrollment: This course is not open to students with previous credit for	- T T
Aviation Maintenance Technology 50, Aviation Maintenance Technology 100L,	<b>Proposed for College(s):</b> Miramar
Aviation Maintenance Technology 100S, Aviation Maintenance Technology 102C,	
Aviation Maintenance Technology 102D, or Aviation Maintenance Technology 102E.	<b>Originating Campus: MIRAMAR</b>
This course provides practical training in aircraft fuel and instrument systems, materials,	originating campust time to the
and blueprints. Topics include materials and processes; precision measuring; aircraft	Effective: Fall 2020
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.	
FIELD TRIP REQUIREMENTS: May be required	
<b>TRANSFER APPLICABILITY:</b> Associate Degree Credit & transfer to CSU.	

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

120 Basic D.C. Electronics Theory	Offered At: Miramar
48 - 54 hours lecture, 3 units	
Grade Only	Action(s) Proposed: Course Revision
	(May Include Activation)
REQUISITES:	Six Year Review
Advisory: Mathematics 38 with a grade of "C" or better, or equivalent or Milestone M30.	Advisory (New)
Limitation on Enrollment: This course is not open to students with previous credit for	Texts
Electronic Systems 124 or Electronic Systems 124L or Electronics 120 or Electronics	Approved
120A or Electricity 111 or Electricity 111L.	
This course provides instruction in direct current electronics theory. Topics include	<b>Proposed for College(s):</b> Miramar
atomic theory; direct current concepts; series, parallel, and circuit analysis; magnetism;	
and electromagnetism. The course emphasizes the theoretical application of Ohm's and	<b>Originating Campus: MIRAMAR</b>
Kirchhoff's laws. It is intended for students majoring in Aviation Maintenance	0 0 1
Technology or those seeking a Federal Aviation Administration (FAA) Mechanics	Effective: Fall 2020
Certificate with Airframe or Powerplant rating.	
FIELD TRIP REQUIREMENTS: May be required	
<b>TRANSFER APPLICABILITY:</b> Associate Degree Credit & transfer to CSU.	

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

121A Applied Basic D.C. Electronics	Offered At: Miramar
72 - 81 hours lab, 1.5 units	
Grade Only	Action(s) Proposed: Course Revision
	(May Include Activation)
REQUISITES:	Six Year Review
Corequisite: Completion of or concurrent enrollment in Aviation Maintenance	Advisory (New)
Technology 120 with a grade of "C" or better, or equivalent.	Texts
Advisory: Mathematics 38 with a grade of "C" or better, or equivalent or Milestone M30.	Approved
Limitation on Enrollment: This course is not open to students with previous credit for	
Electronic Systems 124, Electronic Systems 124L, or Electronics 121, Electronics 121A	<b>Proposed for College(s):</b> Miramar
or Electronics 123, or Electricity 111 or Electricity 111L.	
This course provides instruction in practical applications of direct current electronics	<b>Originating Campus: MIRAMAR</b>
theory. Topics include atomic theory; direct current concepts; series, parallel, and circuit	
analysis; magnetism; and electromagnetism. The course emphasizes the proper use of	Effective: Fall 2020
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.	
FIELD TRIP REQUIREMENTS: May be required	
<b>TRANSFER APPLICABILITY:</b> Associate Degree Credit & transfer to CSU.	

\*Requires Board of Trustees approval prior to implementation

#### Subject: Business (BUSE) Discipline: Business, Economics, or Mathematics

115 Statistics for Business	Offered At: City, Mesa, Miramar
48 - 54 hours lecture, 3 units	
Grade Only	Action(s) Proposed: Course Revision
	(May Include Activation)
REQUISITES:	Six Year Review
Prerequisite: Mathematics 59 or Mathematics 57A, each with a grade of "C" or better, or	Advisory (New)
equivalent or Mathematics 92 or Mathematics 96, each with a grade of "C" or better, or	Methods of Instruction
equivalent or Milestone M40 or M50.	Prerequisite (New)
Advisory: Computer Business Technology 140 or Computer Business Technology 143,	Texts
each with a grade of "C" or better, or equivalent.	Approved
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	Proposed for College(s): City, Mesa, Miramar
science, or related fields.	<b>Originating Campus: MIRAMAR</b>
FIELD TRIP REQUIREMENTS: May be required	Effective: Fall 2020
<b>TRANSFER APPLICABILITY:</b> Associate Degree Credit & transfer to CSU. IGETC. UC Transfer Course List. CSU General Education.	

### Subject: Child Development (CHIL) Discipline: Child Development/Early Childhood Education

131 Curriculum: Language/Science	Offered At: Mesa, Miramar
48 - 54 hours lecture, 3 units	
Grade Only	Action(s) Proposed: Course Revision
	(May Include Activation)
REQUISITES:	Six Year Review
Limitation on Enrollment: This course is not open to students with previous credit for	Course Description
Child Development 133 or Child Development 135.	Reading Assignments
This course is an introductory study of the function of language, math, and science	Texts
learning in early childhood educational programs. Emphasis is placed on the	Writing Assignments
development of language and science curriculum activities, basic teaching skills, guidance techniques, equipment, and materials. Students select appropriate activities for	Approved
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.	<b>Proposed for College(s):</b> Mesa, Miramar
FIELD TRIP REQUIREMENTS: May be required	<b>Originating Campus: MIRAMAR</b>
TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.	Effective: Fall 2020

\*Requires Board of Trustees approval prior to implementation

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

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

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

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

\*Requires Board of Trustees approval prior to implementation

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

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

#### Subject: Dance (DANC) Discipline: Dance

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

\*Requires Board of Trustees approval prior to implementation

#### Subject: Dance (DANC) Discipline: Dance

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

### Subject: Exercise Science (EXSC) Discipline: Physical Education

174A Soccer I	Offered At: City, Mesa, Miramar
24 - 54 hours lab, 0.5-1 units	
Grade Only	Action(s) Proposed: Course Revision
	(May Include Activation)
REQUISITES:	Six Year Review
Limitation on Enrollment: This course is not open to students with previous credit for	Course Description
Physical Education 149 or Physical Education 149W.	Hours Change
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	Approved
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.	<b>Proposed for College(s):</b> City, Mesa, Miramar
FIELD TRIP REQUIREMENTS: May be required	<b>Originating Campus: MESA</b>
<b>TRANSFER APPLICABILITY:</b> Associate Degree Credit & transfer to CSU. UC Transfer Course List.	Effective: Fall 2020

### Subject: Exercise Science (EXSC) Discipline: Physical Education

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

#### Subject: Exercise Science (EXSC) Discipline: Physical Education

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

### Subject: Exercise Science (EXSC) Discipline: Physical Education

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

#### Subject: Exercise Science (EXSC) Discipline: Physical Education

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

Subject: Exercise Science (EXSC) Discipline: Physical Education

~ 237B Theories and Strategies of Tennis II	Offered At: City
24 - 27 hours lecture, 24 - 27 hours lab, 2 units	-
Grade Only	Action(s) Proposed: Course
	Activation (Currently active at another
REQUISITES:	college)
Limitation on Enrollment: This course is not open to students with previous credit for	Texts
Physical Education 248B.	Title
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	Approved
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	<b>Proposed for College(s):</b> Mesa
level.	<b>Originating Campus: MESA</b>
FIELD TRIP REQUIREMENTS: May be required	This course is being proposed at Mesa
TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC	for UC Transfer Course List
Transfer Course List.	Effective: Fall 2020

#### Subject: Exercise Science (EXSC) Discipline: Physical Education

*~ 244A Theories and Strategies of Swimming and Diving I	Offered At: NONE
24 - 27 hours lecture, 24 - 27 hours lab, 2 units Grade Only REQUISITES:	Action(s) Proposed: New Course Approved
Advisory: Completion of or concurrent enrollment in Exercise Science 218 with a grade of "C" or better, or equivalent.	Proposed for College(s): Mesa
This course covers the theoretical concepts necessary for students to compete successfully in their first intercollegiate swimming and diving season. Topics covered	Originating Campus: MESA
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	This course is being proposed at Mesa for UC Transfer Course List
offered for men and women. The course is intended for intercollegiate athletes and students who may be interested in coaching swimming and diving teams.	Effective: Fall 2020
FIELD TRIP REQUIREMENTS: May be required	
TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.	

\*Requires Board of Trustees approval prior to implementation

#### Subject: Exercise Science (EXSC) Discipline: Physical Education

*~ 244B Theories and Strategies of Swimming and Diving II 24 - 27 hours lecture, 24 - 27 hours lab, 2 units	Offered At: NONE
	Action(s) Proposed: New Course
	Approved
REQUISITES:	
<i>Advisory: Completion of or concurrent enrollment in</i> Exercise Science 219 with a grade of "C" or better, or equivalent.	<b>Proposed for College(s):</b> Mesa
This course covers advanced theoretical concepts and techniques for intercollegiate swimming and diving competition. Emphasis is placed on team development,	Originating Campus: MESA
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	This course is being proposed at Mesa for UC Transfer Course List
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	Effective: Fall 2020
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.	
FIELD TRIP REQUIREMENTS: May be required	
TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.	

### Subject: Exercise Science (EXSC) Discipline: Physical Education

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

### Subject: Exercise Science (EXSC) Discipline: Physical Education

288 Fitness Specialist Internship Lecture	Offered At: City, Mesa, Miramar
16 - 18 hours lecture, 1 units	
Grade Only	Action(s) Proposed: Course Revision
	(May Include Activation)
REQUISITES:	Six Year Review
Advisory: Concurrent enrollment in Exercise Science 270 with a grade of "C" or better,	Course Description
or equivalent.	Prerequisite (Remove)
<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.	Approved
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	<b>Proposed for College(s):</b> City, Mesa, Miramar
specialist/client relationships; and professional responsibility in a fitness setting.	<b>Originating Campus: MIRAMAR</b>
FIELD TRIP REQUIREMENTS: May be required	Effective: Fall 2020
TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.	

### Subject: History (HIST) Discipline: History

106 Introduction to Western Civilization II	Offered At: City, Mesa, Miramar
48 - 54 hours lecture, 3 units	
Letter Grade or Pass/No Pass Option	Action(s) Proposed: Course Revision
	(May Include Activation)
REQUISITES:	Six Year Review
Advisory: English 101 with a grade of "C" or better, or equivalent.	Course Description
This course is a historical survey of Western Civilization from early modernism to the	Texts
present. Students are introduced to the ideas, attitudes, and institutions basic to Western Civilization. Topics include the political structures, social structures, forms of cultural	Approved
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.	<b>Proposed for College(s):</b> City, Mesa, Miramar
FIELD TRIP REQUIREMENTS: May be required	Originating Campus: MIRAMAR
<b>TRANSFER APPLICABILITY:</b> Associate Degree Credit & transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.	Effective: Fall 2020

#### Subject: Mathematics (MATH) Discipline: Mathematics

98 Technical Intermediate Algebra and Geometry	Offered At: City
64 - 72 hours lecture, 4 units	-
Letter Grade or Pass/No Pass Option	Action(s) Proposed: Course Revision
	(May Include Activation)
REQUISITES:	Six Year Review
Advisory: Mathematics 46 with a grade of "C" or better, or equivalent or Milestone M30.	Advisory (Change)
This course introduces an applied technology approach to problem solving in	Course Description
Intermediate Algebra and Geometry. Students are expected to apply problem solving	Field Trip
techniques to technology-based situations in their technical physics and applied	Methods of Evaluation
technology courses. Topics include scientific notation, algebra of functions, linear	Outline of Topics
systems of equations, graphing using log and semi-log paper, technology applications of	Prerequisite (Remove)
quadratic, exponential and logarithmic functions, right triangle trigonometry,	Reading Assignments
applications in electronics of vectors and phasors. Special emphasis is placed on the use	Texts
of the graphing calculator and mathematical software packages to solve application	Writing Assignments
problems. This course is intended for students in the Engineering and applied	Approved
technologies majors.	
	<b>Proposed for College(s):</b> City
FIELD TRIP REQUIREMENTS: May be required	
	Originating Campus: CITY
<b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.	6 8 ··· F
	Effective: Fall 2020

Subject: Manufacturing Engineering Technology (MFET) Discipline: Industrial Technology or Manufacturing Technology

210 Statistical Process Control	Offered At: City
32 - 36 hours lecture, 48 - 54 hours lab, 3 units	
Grade Only	Action(s) Proposed: Distance
	Learning - No Other Action
REQUISITES:	Reviewed
Advisory: 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.	<b>Proposed for College(s):</b> City
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	Originating Campus: CITY
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	Dist. Ed Revision For College(s):
charts, process mean and variability, process capability, sampling and normal distribution. The course also introduces students to the concepts of Six Sigma and design	City
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	Effective: Fall 2020
management.	
0	
FIELD TRIP REQUIREMENTS: May be required	
TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.	

### Subject: Manufacturing Engineering Technology (MFET)

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

#### Subject: Music (MUSI) Discipline: Commercial Music or Music

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

### Subject: Physics (PHYS) Discipline: Physics/Astronomy

126 General Physics II	Offered At: City, Mesa, Miramar
64 - 72 hours lecture, 48 - 54 hours lab, 5 units	
Letter Grade or Pass/No Pass Option	Action(s) Proposed: Course Revision
	(May Include Activation)
REQUISITES:	Six Year Review
Prerequisite: Physics 125 with a grade of "C" or better, or equivalent.	Reading Assignments
Limitation on Enrollment: This course is not open to students with previous credit for	Supplies
Physics120B, Physics 124B, Physics 125B, Physics 181B, Physics 195B or Physics 196.	Texts
This second course in a two-part introductory survey explores the concepts and principles	Approved
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	<b>Proposed for College(s):</b> City, Mesa,
require physics with calculus.	Miramar
FIELD TRIP REQUIREMENTS: May be required	<b>Originating Campus:</b> CITY
	originating campust criti
TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. CSU	Effective: Fall 2020
General Education. IGETC. UC Transfer Course List.	

### Subject: Psychology (PSYC) Discipline: Psychology

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

### **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- Approved History- Mesa, PID 3872: Effective Fall 2020 History Associate of Arts

\*Liberal Arts and Sciences **Program Deactivation-** *Approved* 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- Approved 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