

**Curriculum Instructional Council
Actions Approved – November 13, 2014**

Subject: Architecture (ARCH) Discipline: Architecture

<p>~100 Graphic Design Communication I</p> <p align="right">96 - 108 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30. This course is designed for all students who wish to develop basic hand drafting skills for use in Architectural, Civil Engineering, Construction, Interior Design, and Landscape programs. Topics include lettering, line control, sketching, and use of drafting instruments. This course is designed for students interested in developing hand drawing skills for use in architecture, landscape architecture, interior design, and construction.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa</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>Title Change</i> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
--	--

Subject: Architecture (ARCH) Discipline: Architecture

<p>102 Advanced ArchiCAD and Building Information Modeling (BIM)</p> <p align="right">32 - 36 hours lecture, 64 - 72 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Architecture 101 with a grade of "C" or better, or equivalent. This course is an advanced practical study of ArchiCAD and building information modeling (BIM). Emphasis is placed on complex aspects of the ArchiCAD program used in developing architectural construction documents and photo-realistic design presentations. This course is intended for advanced Architectural students and professionals.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Texts</i> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
---	--

*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – November 13, 2014**

Subject: Architecture (ARCH) Discipline: Architecture

<p>111 Architectural Production Detailing 24 - 27 hours lecture, 120 - 135 hours lab, 4 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Architecture 100 with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Completion of or concurrent enrollment in Architecture 130 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 Assessment Skill Levels R5 and W5; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for both Architecture 110 and Architecture 150. This course presents methods of construction and drafting practices as applied to architectural construction documents. Students use and apply reference materials and building codes to develop architectural contract documents that include foundation plans and details for light wood frame and masonry structures. This course is designed for architecture and building construction technology students.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
---	---

Subject: Architecture (ARCH) Discipline: Architecture

<p>130 Materials of Construction 48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5. This course is a study of the construction constraints and program criteria for the selection and installation of building materials for residential and commercial construction projects. This course is intended for architectural design students, design professionals, construction trades people transitioning to supervisory positions, persons preparing for the trades portion of the general contractor's license exam, appraisers and others requiring knowledge of building materials and installation for residential and commercial buildings.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
--	---

*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCCCO submission

**Curriculum Instructional Council
Actions Approved – November 13, 2014**

Subject: Architecture (ARCH) Discipline: Architecture

<p>200 Architectural Detailing</p> <p align="right">24 - 27 hours lecture, 120 - 135 hours lab, 4 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Architecture 100 and Architecture 130, each with a grade of "C" or better, or equivalent. <i>Advisory:</i> Architecture 111 with a grade of "C" or better, or equivalent and Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30. This course presents methods of construction and drafting practices as applied to architectural construction documents. Students use and apply reference materials and building codes to develop architectural contract documents that include fireplace, door, window, cabinet, and wood stair details for light wood frame and masonry structures. This course is designed for architecture and building construction technology students.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
---	--

Subject: Architecture (ARCH) Discipline: Architecture

<p>226 Architectural Theory</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> English 101 and English 105, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6. This course examines the theory of contemporary architectural design. Emphasis is placed on comparisons between architectural theory and current practice in the region. Students interview a local architect and present a critique of that architect's work to the class comparing and contrasting it with the theoretical information presented throughout the semester. This class is designed for architecture majors and anyone interested in architectural theory and practice.</p> <p>FIELD TRIP REQUIREMENTS: Required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC Transfer Course List.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
---	--

*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

Curriculum Instructional Council Actions Approved – November 13, 2014

Subject: Art-Fine Art (ARTF) Discipline: Art

<p>195C Ceramics III</p> <p style="text-align: right;">32 - 36 hours lecture, 64 - 72 hours lab, 3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Prerequisite:</i> Art-Fine Art 195B 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 Assessment Skill Levels R5 and W5. This is an advanced level ceramics course in which students design and construct wheel thrown and handbuilt ceramic forms selecting an area of focus emphasizing form and surface enrichment. Students develop, mix, and use clay and glazes as well as load and fire gas and electric kilns. This course is intended for art majors and all students interested in developing ceramics skills.</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, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Course Description</i> <i>Hours Change</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>Writing Assignments</i> Approved</p> <p>Proposed for College(s): City, Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
---	--

Subject: Automotive Technology (AUTO) Discipline: Automotive Technology

<p>67T Honda/Toyota Advanced Engine Performance</p> <p style="text-align: right;">32 - 36 hours lecture, 96 - 108 hours lab, 4 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Automotive Technology 62T and Automotive Technology 65T, each with a grade of "C" or better, or equivalent. <i>Advisory:</i> English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4 and W4; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30. This course builds on skills learned in the Honda/Toyota Engine Performance course with an emphasis on engine diagnostics. Topics include an in-depth study of Honda/Toyota system monitors; engine misfire; oxygen (O2) and Air Fuel (A/F) sensors; fuel systems; and emission control systems. This course prepares students for the Automotive Service Excellence (ASE) L-1 certification and is intended for automotive technology students seeking Honda Professional Automotive Career Training (PACT) or Toyota Technician (T-TEN) certification.</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> <i>Prerequisite (New)</i> <i>Texts</i> Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
--	---

*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

Curriculum Instructional Council Actions Approved – November 13, 2014

Subject: Banking And Finance (BANK) Discipline: Banking and Finance

<p>102 Mortgage Brokerage and Banking</p> <p style="text-align: right;">64 - 72 hours lecture, 4 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5; Mathematics 46 with a grade of "C" or better, or equivalent or Assessment Skill Level M40. This course is an introduction to the mortgage brokerage and banking industry. Students learn the history, concepts, vocabulary, loan products and product flow of the mortgage banking industry as well as the functions of the many participants in a loan transaction. Other topics include information on the state of the economy and its effects on real estate lending and the secondary markets. In addition, the legal and financial impacts of fraud within the industry are discussed. Throughout the course, emphasis is placed on the importance of follow-through, quality customer service, and ethics as they relate to the mortgage brokerage and banking industry. Course content relates specifically to California regulations. This course is intended for students interested in real estate, banking, and finance.</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>Course Description</i> <i>Texts</i></p> <p style="text-align: center;">Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
---	---

Subject: Banking And Finance (BANK) Discipline: Banking and Finance

<p>108 Principles of Loan Closing</p> <p style="text-align: right;">48 - 54 hours lecture, 48 - 54 hours lab, 4 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30 and Banking and Finance 106 with a grade of "C" or better, or equivalent. This course provides an analysis of loan documentation, including investor requirements, and the steps required to effectively close a loan. Other topics include escrow and its function; title insurance and its function; the interaction between escrow and title companies; loan guarantees and insurance; lock requirements and conditions; loan shipping; review of loan documents; and the fundamental importance of ethics as it pertains to loan closing. Course content relates specifically to California regulations. This course is intended for students interested in real estate, banking, and finance.</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>Course Description</i> <i>Texts</i> <i>Writing Assignments</i></p> <p style="text-align: center;">Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
--	---

*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – November 13, 2014**

Subject: Dance (DANC) Discipline: Dance

<p>~290 Independent Study</p> <p style="text-align: right;">48 - 162 hours other, 1-3 units Pass/No Pass</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Must obtain an Add Code from the instructor for enrollment. This course is for students who wish to conduct additional research, a special project, or learning activities in a specific discipline/subject area and is not intended to replace an existing course in the discipline. In this course students will have a written contract with their instructor for activities such as: preparing problem analysis, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.</p> <p>FIELD TRIP REQUIREMENTS: Not required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Activation (Currently active at another college)</p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
---	---

*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – November 13, 2014**

Subject: Diesel Technology (DIES) Discipline: Diesel Mechanics or Heavy Duty Equipment Mechanics

<p>90 Forklift Operation</p> <p align="right">8 - 9 hours lecture, 24 - 27 hours lab, 1 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Level R4 and W4; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30. This course covers the theory, principles, and operation of forklifts. Topics include forklift safety, use and operation, load handling, preventive maintenance and upkeep, problem identification. This course is designed to prepare students for the Occupational Safety and Health Administration (OSHA) Forklift Certification.</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>Advisory (Change)</i> <i>Methods of Instruction</i> <i>Outside Assignments</i> <i>Reading Assignments</i> <i>Supplies</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
---	---

Subject: Diesel Technology (DIES) Discipline: Diesel Mechanics

<p>100 Introduction to Diesel Technology</p> <p align="right">32 - 36 hours lecture, 2 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4 and W4; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30. This beginning class introduces students to the field of diesel-powered trucks and equipment maintenance and service. Students learn about the common types of diesel-powered trucks and equipment, shop safety, industrial fasteners, hydraulic fittings, technician tool requirements, service shop organization and procedures, and measuring tools. Students also receive an overview of the Miramar College Diesel Technology program. This course is intended for students majoring in Diesel Technology or those interested in the industry.</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 (Change)</i> <i>Course Description</i> <i>Supplies</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
--	---

*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCCCO submission

Curriculum Instructional Council Actions Approved – November 13, 2014

Subject: Diesel Technology (DIES) Discipline: Diesel Mechanics

<p>101 Heavy Duty Truck, Advanced Transportation, Equipment Preventive Maintenance and Inspections</p> <p style="text-align: right;">16 - 18 hours lecture, 48 - 54 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Diesel Technology 100 with a grade of "C" or better, or equivalent.</i> <i>Advisory: English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4 and W4; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.</i> This course covers the fundamental skills necessary for preventive maintenance on trucks and other heavy duty equipment. Students learn to perform inspection and maintenance procedures on heavy duty trucks, alternative fueled trucks, and heavy equipment. Topics include the theory of maintenance practices; industry-related Material Safety Data Sheets (MSDS) and hazardous materials (HAZMAT) documentation; California Biannual Inspection of Terminal (B.I.T.); heavy duty shop tools and equipment usage; and service literature usage. This course is designed for students interested in the commercial diesel and alternative fuel industry.</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>Course Description</i> <i>Methods of Instruction</i> <i>Outline of Topics</i> <i>Supplies</i> Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
--	---

Subject: Diesel Technology (DIES) Discipline: Diesel Mechanics

<p>105 Measuring Tools and Applied Mathematics</p> <p style="text-align: right;">16 - 18 hours lecture, 48 - 54 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Advisory: English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4 and W4; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.</i> <i>Limitation on Enrollment: This course is not open to students with previous credit for Diesel Technology 110 or Diesel Technology 120.</i> This course covers the care and use of precision measuring tools and common shop measuring tools. Students also learn industry-standard mathematical concepts and applications related to the diesel service industry. This course is intended for students majoring in Diesel Technology.</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 (Change)</i> <i>Course Description</i> <i>Supplies</i> Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
--	---

*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

Curriculum Instructional Council Actions Approved – November 13, 2014

Subject: Diesel Technology (DIES) Discipline: Diesel Mechanics

<p>121 Diesel Engines A</p> <p style="text-align: right;">64 - 72 hours lecture, 144 - 162 hours lab, 7 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Diesel Technology 100 with a grade of "C" or better, or equivalent.</i> <i>Advisory: English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4 and W4; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.</i> <i>Limitation on Enrollment: This course is not open to students with previous credit for Diesel Technology 110.</i> Students learn the fundamental skills necessary to perform major overhaul operations on Detroit Diesel engines. Topics include theory of operation; construction and application; use of diesel repair shop equipment and tools; and dynamometer performance testing. This course is designed for students who intend to develop foundational skills applicable to the diesel repair industry.</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>Course Description</i> <i>Methods of Instruction</i> <i>Outline of Topics</i> <i>Supplies</i> <i>Texts</i></p> <p style="text-align: center;">Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
---	---

Subject: Diesel Technology (DIES) Discipline: Diesel Mechanics

<p>122 Diesel Engines B</p> <p style="text-align: right;">64 - 72 hours lecture, 144 - 162 hours lab, 7 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Diesel Technology 100 with a grade of "C" or better, or equivalent.</i> <i>Advisory: English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4 and W4; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.</i> <i>Limitation on Enrollment: This course is not open to students with previous credit for Diesel Technology 120.</i> Students learn the fundamental skills necessary to perform major overhaul operations on Caterpillar diesel engines. Topics include theory of operation; construction and application; use of diesel repair shop equipment and tools, and dynamometer performance testing. This course is designed for students who intend to develop foundational skills applicable to the diesel repair industry.</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>Course Description</i> <i>Methods of Instruction</i> <i>Supplies</i> <i>Texts</i></p> <p style="text-align: center;">Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
---	---

*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

Curriculum Instructional Council Actions Approved – November 13, 2014

Subject: Diesel Technology (DIES) Discipline: Diesel Mechanics

<p>123 Diesel Engines C</p> <p style="text-align: right;">16 - 18 hours lecture, 48 - 54 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Diesel Technology 100 with a grade of "C" or better, or equivalent.</i> <i>Advisory: English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4 and W4; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.</i> <i>Limitation on Enrollment: This course is not open to students with previous credit for Diesel Technology 127.</i> Students learn the fundamental skills necessary to evaluate and repair engine components and accessories including cylinder blocks. Students also learn how to remove and install engines. This course is designed for students who intend to develop foundational skills applicable to the diesel repair industry.</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>Methods of Instruction</i> <i>Supplies</i> <i>Texts</i> Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
--	--

Subject: Diesel Technology (DIES) Discipline: Diesel Mechanics

<p>124 Diesel Engines D</p> <p style="text-align: right;">64 - 72 hours lecture, 144 - 162 hours lab, 7 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Diesel Technology 100 with a grade of "C" or better, or equivalent.</i> <i>Advisory: English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4 and W4; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.</i> <i>Limitation on Enrollment: This course is not open to students with previous credit for Diesel Technology 110.</i> Students learn the fundamental skills necessary to perform major overhaul operations on Cummins diesel engines. Topics include theory of operation; construction and application; use of diesel repair shop equipment and tools; and dynamometer performance testing. This course is designed for students who intend to develop foundational skills applicable to the diesel repair industry.</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>Course Description</i> <i>Methods of Instruction</i> <i>Supplies</i> <i>Texts</i> Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
---	---

*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

Curriculum Instructional Council Actions Approved – November 13, 2014

Subject: Diesel Technology (DIES) Discipline: Diesel Mechanics

<p>125 Diesel Engines I</p> <p style="text-align: right;">48 - 54 hours lecture, 48 - 54 hours lab, 4 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Diesel Technology 100 with a grade of "C" or better, or equivalent.</i> <i>Advisory: English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4 and W4; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.</i> <i>Limitation on Enrollment: This course is not open to students with previous credit for Diesel Technology 110 or Diesel Technology 121.</i> Students learn the fundamental skills necessary to perform major overhaul operations on Detroit Diesel engines. Topics include theory of operation; construction and application; and the use of diesel repair shop equipment and tools. This course is designed for students who have prior experience in the diesel repair industry.</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>Course Description</i> <i>Methods of Instruction</i> <i>Supplies</i> <i>Texts</i> Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
--	---

Subject: Diesel Technology (DIES) Discipline: Diesel Mechanics

<p>126 Diesel Engines II</p> <p style="text-align: right;">48 - 54 hours lecture, 48 - 54 hours lab, 4 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Diesel Technology 100 with a grade of "C" or better, or equivalent.</i> <i>Advisory: English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4 and W4; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.</i> <i>Limitation on Enrollment: This course is not open to students with previous credit for Diesel Technology 120, Diesel Technology 201A or Diesel Technology 122.</i> Students learn the fundamental skills necessary to perform major overhaul operations on Caterpillar diesel engines. Topics include theory of operation; construction and application; and the use of diesel repair shop equipment and tools. This course is designed for students who have prior experience in the diesel repair industry.</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>Course Description</i> <i>Methods of Instruction</i> <i>Supplies</i> <i>Texts</i> Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
---	---

*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – November 13, 2014**

Subject: Diesel Technology (DIES) Discipline: Diesel Mechanics

<p>128 Diesel Engines III 48 - 54 hours lecture, 48 - 54 hours lab, 4 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Diesel Technology 100 with a grade of "C" or better, or equivalent.</i> <i>Advisory: English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4 and W4; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.</i> <i>Limitation on Enrollment: This course is not open to students with previous credit for Diesel Technology 124.</i> Students learn the fundamental skills necessary to perform major overhaul operations on Cummins diesel engines. Topics include theory of operation; construction and application; and the use of diesel repair shop equipment and tools. This course is designed for students who have prior experience in the diesel repair industry.</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>Course Description</i> <i>Methods of Instruction</i> <i>Supplies</i> <i>Texts</i> Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
--	---

Subject: Diesel Technology (DIES) Discipline: Diesel Mechanics

<p>131 Alternative-Fueled Engine Overhaul 48 - 54 hours lecture, 48 - 54 hours lab, 4 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Diesel Technology 100 with a grade of "C" or better, or equivalent.</i> <i>Advisory: English 35 or English 42 and English 43, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4 and W4; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.</i> This course covers the fundamental skills necessary to perform major overhaul operations on alternative-fueled engines. Topics include theory of operation; construction and application; and the use of repair shop tools and equipment associated with large bore alternative-fueled engines. This course is designed for students who have prior experience in the diesel industry.</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>Course Description</i> <i>Methods of Instruction</i> <i>Supplies</i> <i>Texts</i> Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
--	---

*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – November 13, 2014**

Subject: Fashion (FASH) Discipline: Fashion and Related Technologies

<p>131 Apparel Construction II</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Fashion 130 with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Fashion 199C. <i>Advisory:</i> English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30. This course is a study of advanced apparel construction. Emphasis is placed on current fabrics and techniques used in contemporary ready-to-wear and couture. This course is intended for all fashion design majors and is open to students interested in fitting and constructing clothing.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Methods of Evaluation</i> <i>Texts</i> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
---	--

Subject: Fashion (FASH) Discipline: Fashion and Related Technologies

<p>~135 Tailoring</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Fashion 131 with a grade of "C" or better, or equivalent. <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6; Mathematics 38 with a grade of "C" or better, or equivalent or Assessment Skill Level M30. This course presents various tailoring techniques. Emphasis is placed on tailoring and fitting a coat or jacket utilizing a commercial pattern. This course is intended for students majoring in fashion design.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (Change)</i> <i>Methods of Evaluation</i> <i>Outline of Topics</i> <i>Reading Assignments</i> <i>SAM Code</i> <i>Texts</i> <i>Writing Assignments</i> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
--	---

*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

Curriculum Instructional Council Actions Approved – November 13, 2014

Subject: Fashion (FASH) Discipline: Fashion and Related Technologies

<p>199C Fashion Laboratory C</p> <p style="text-align: right;">48 - 54 hours lab, 1 units Grade Only</p> <p>REQUISITES: <i>Corequisite:</i> Fashion 131. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for maximum credit for Fashion 199. This course provides hands-on experience in advanced ready-to-wear and couture apparel construction. Students apply advanced standard and industry methods to construct advanced-level garments. This course is designed for all fashion design majors and is open to students interested in fitting and constructing clothing.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
--	--

Subject: Fire Protection Technology (FIPT)

<p>*~ 301L Fire Company Officer Training</p> <p style="text-align: right;">40 - 45 hours lecture, 24 - 27 hours lab, 3 units Grade Only</p> <p>This course is to prepare or enhance the first line supervisors ability to supervise subordinates. It introduces key management concepts and practices utilized in the California Fire Service. The course includes discussions about the role of the Company Officer, oral and written communications, decision-making, time management, leadership styles, personnel evaluations, Emergency Scene Incident Command, operational responsibilities, discipline and counseling guidelines.</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 Deactivation (Not at any College)</p> <p>Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
--	---

*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – November 13, 2014**

Subject: Fire Protection Technology (FIPT) Discipline: Fire Technology

<p>*~392S Special Topics in Fire Management 1 hour lecture, 7 - 20.5 hours lab, 0.2 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5. This course provides students with sound management principles needed for the transition from supervisor to manager in the fire service. Management principles and practices are taught from a variety of different focus areas that may vary from term to term. Focus areas may include: human relations, group dynamics, conflict resolution, financial planning, budget preparation and control, diversity management, and labor relations, among others. Focus areas are listed in the class schedule and student transcripts. This course is intended for practicing firefighters.</p> <p>FIELD TRIP REQUIREMENTS: Required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: NONE</p> <p>Action(s) Proposed: Special Topics (Framework) Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Dist. Ed Proposed For College(s): Miramar</p> <p>Effective: Fall 2015</p>
---	--

Subject: Fire Protection Technology (FIPT) Discipline: Fire Technology

<p>*~393L Special Topics in Hazardous Materials 24 - 216.5 hours lab, 0.5-4 units Grade Only</p> <p>This course provides students with sound information and practices in dealing with hazardous materials incidents. Hazardous material principles and practices are taught from a variety of different focus areas that may vary from term to term. Focus areas may include: Hazardous Materials Incident Commander, Hazardous Materials Technician, Hazardous Materials Safety Officer, Hazardous Materials Specialist, Hazardous Materials Decontamination, Hazardous Materials Mitigation, or Hazardous Materials Weapons of Mass Destruction, among others. Focus areas are listed in the class schedule and student transcripts. This course is intended for practicing firefighters.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: NONE</p> <p>Action(s) Proposed: Special Topics (Framework) Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Dist. Ed Proposed For College(s): Miramar</p> <p>Effective: Fall 2015</p>
---	--

*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

Curriculum Instructional Council Actions Approved – November 13, 2014

Subject: Fire Protection Technology (FIPT) Discipline: Fire Technology

<p>*~393S Special Topics in Hazardous Materials 1 - 1 hours lecture, 7 - 20.5 hours lab, 0.2 units Grade Only</p> <p>This course provides students with information and practices in dealing with hazardous materials incidents. Hazardous material principles and practices are taught from a variety of different focus areas that may vary from term to term. Focus areas may include: Hazardous Materials Incident Commander, Hazardous Materials Technician, Hazardous Materials Safety Officer, Hazardous Materials Specialist, Hazardous Materials Decontamination, Hazardous Materials Mitigation, or Hazardous Materials Weapons of Mass Destruction, among others. Focus areas are listed in the class schedule and student transcripts. This course is intended for practicing firefighters.</p> <p>FIELD TRIP REQUIREMENTS: Required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: NONE</p> <p>Action(s) Proposed: Special Topics (Framework) Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Dist. Ed Proposed For College(s): Miramar</p> <p>Effective: Fall 2015</p>
---	--

Subject: Fire Protection Technology (FIPT) Discipline: Fire Technology

<p>*~394S Special Topics in Firefighting Tactics 1 - 1 hours lecture, 7 - 20.5 hours lab, 0.2 units Grade Only</p> <p>This course provides professional training in various kinds of firefighting tactics and related activities. Fundamental skills and techniques used by firefighters in the regular execution of their duties are taught from a variety of different focus areas that may vary from term to term. Focus areas may include various kinds of firefighting tactics, vehicle or equipment operation, or firefighter safety and survival, among others. Focus areas are listed in the class schedule and student transcripts. This course is intended for practicing firefighters.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: NONE</p> <p>Action(s) Proposed: Special Topics (Framework) Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Dist. Ed Proposed For College(s): Miramar</p> <p>Effective: Fall 2015</p>
--	--

Subject: Fire Protection Technology (FIPT) Discipline: Search and Rescue

<p>*~395S Special Topics in Open Water Lifeguarding 1 - 1 hours lecture, 7 - 20.5 hours lab, 0.2 units Grade Only</p> <p>This course provides open water lifeguards with training in various kinds of lifeguarding practices. Fundamental skills and techniques used by lifeguards in the regular execution of their duties are taught from a variety of different focus areas that may vary from term to term. Focus areas may include various kinds of lifeguarding techniques, vehicle or equipment operation, or emergency management, among others. Focus areas are listed in the class schedule and student transcripts. This course is intended for practicing open water lifeguards.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: NONE</p> <p>Action(s) Proposed: Special Topics (Framework) Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Dist. Ed Proposed For College(s): Miramar</p> <p>Effective: Fall 2015</p>
---	--

*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – November 13, 2014**

Subject: Mathematics (MATH)

<p>~150L Calculus I Laboratory</p> <p align="right">48 - 54 hours lab, 1 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Prerequisite:</i> Mathematics 141 with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Mathematics 150. This course is a workshop, project-oriented course dealing with exploration and development of the calculus topics introduced in Calculus and Analytic Geometry I. This course directly supports the calculus lectures by having hands-on, collaborative assignments where technology is strongly incorporated throughout all the in-class assignments. Students work individually and in small groups on explorations and applications thus extending the material presented in Mathematics 150. Topics including geometric, analytic and numeric applications of limits, derivatives and integrals as well as calculus applications found in the physical and life sciences. This course is intended for all students currently enrolled in Mathematics 150.</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, Miramar</p> <p>Action(s) Proposed: Course Deactivation *(Active at another College)*</p> <p>Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
---	--

Subject: Mathematics (MATH)

<p>~212 Children's Mathematical Thinking</p> <p align="right">16 - 18 hours lecture, 1 units Grade Only</p> <p>REQUISITES: <i>Corequisite:</i> Completion of or concurrent enrollment in Mathematics 210A with a grade of "C" or better, or equivalent. <i>Advisory:</i> English 101 or English 105, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6. This course focuses on children's mathematical thinking and includes an in-depth study of place-value, fractions and how children solve mathematical problems. Students observe children and evaluate the problem strategies that are used. This course is intended for students pursuing a Multiple Subject Credential.</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 Deactivation *(Active at another College)*</p> <p>Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2015</p>
---	--

*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – November 13, 2014**

Subject: Medical Assisting (MEDA) Discipline: Health Care Ancillaries

<p>55 Fundamentals Human Anatomy and Physiology 48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Medical Assisting 105. This course examines the structures of the human body and the functions of the major body systems. Topics include cell structure and physiology, tissue classification and function, and general body organization. This course is designed for medical assisting majors and anyone interested in entering a health care career.</p> <p>FIELD TRIP REQUIREMENTS: Not required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Outline of Topics</i> <i>Texts</i> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
---	---

Subject: Medical Assisting (MEDA) Discipline: Health Care Ancillaries

<p>84 Phlebotomy for Medical Assisting 24 - 27 hours lecture, 24 - 27 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Medical Assisting 55 or Biology 160, each 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 Assessment Skill Levels R5 and W5; Mathematics 46 with a grade of "C" or better, or equivalent or Assessment Skill Level M40. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Medical Assisting 150. This course prepares students to perform venipunctures and basic blood tests required for entry-level medical assisting positions in clinics and other health care settings. This course is designed for students completing the Medical Assisting Program.</p> <p>FIELD TRIP REQUIREMENTS: Not required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Advisory (New)</i> <i>Outline of Topics</i> <i>Student Learning Objectives</i> <i>Texts</i> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
--	--

*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – November 13, 2014**

Medical Assisting (MEDA) Discipline: Health Care Ancillaries

<p>88 Electrocardiogram Application</p> <p align="right">24 - 27 hours lab, 0.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Medical Assisting 82 with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Medical Assisting 92 and Medical Assisting 94. <i>Corequisite:</i> Completion of or concurrent enrollment in Medical Assisting 84 with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Medical Assisting 220. This course presents the Medical Assisting students with the basic principles of performing and analyzing an electrocardiogram (ECG). Students review the anatomy, physiology and electrophysiology of the heart and circulatory system as it pertains to an ECG. The basic components of an ECG, types of cardiac rhythms; both normal and abnormal presented. Students perform and analyze a normal 12-Lead ECG. Students also become familiar with and are able to identify the abnormal cardiac rates, rhythms and conditions that can be diagnosed utilizing an ECG. This course is appropriate for medical care workers with a need for this information.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
---	--

Subject: Medical Assisting (MEDA) Discipline: Health Care Ancillaries

<p>92 Minor Surgery</p> <p align="right">24 - 27 hours lab, 0.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Medical Assisting 82, Medical Assisting 55, Medical Assisting 110, Medical Assisting 76, Medical Assisting 78, each with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Medical Assisting 88 and Medical Assisting 94. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Medical Assisting 230. This course introduces the Medical Assisting student to the principles of minor surgery, its history and settings. Students become familiar with a variety of common surgical procedures, instruments, materials and supplies used in aseptic and sterile procedures. Patient pre-operative and post-operative processing is also presented and practiced. Alternate surgical procedures are also discussed. Students are instructed in the Scope of Practice of the Medical Assistant as it relates to minor surgery.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: Mesa</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>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
---	---

*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – November 13, 2014**

Subject: Medical Assisting (MEDA) Discipline: Health Care Ancillaries

<p>96 Directed Clinical Practice</p> <p align="right">225 - hours other, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Medical Assisting 110, Medical Assisting 78 and Medical Assisting 82, each with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Medical Assisting 145. This course is designed to give medical assisting students hands-on, unpaid clinical experience at a medical facility. Focus is placed on the safe, legal, ethical and effective application of skills learned in prior medical assisting courses. This course also fosters the development of communication skills, interpersonal relationships and professionalism required for the healthcare field. Supervision of students is provided by the staff of the affiliating institution and coordinated by the college faculty.</p> <p>FIELD TRIP REQUIREMENTS: Required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit only and not Transferable.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Methods of Instruction</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
---	---

Subject: Russian (RUSS) Discipline: Foreign Languages

<p>101 First Course in Russian</p> <p align="right">80 - 90 hours lecture, 5 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> English 48 with a grade of "C" or better, or equivalent or Assessment Skill Level R5. This is an entry level course designed to introduce students to the Russian language and cultures of the Russian-speaking world. In this interactive course, students learn and use the language by speaking, listening, reading, and writing at the novice level. Basic language structures and vocabulary for communication are examined and explored in Russian. This course is intended for all students interested in the Russian language and culture.</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>Course Description</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>Texts</i> <i>Writing Assignments</i></p> <p>Approved</p> <p>Proposed for College(s): City, Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
---	--

*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

Curriculum Instructional Council Actions Approved – November 13, 2014

Subject: Russian (RUSS) Discipline: Foreign Languages

<p>~102 Second Course in Russian</p> <p style="text-align: right;">80 - 90 hours lecture, 5 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Prerequisite:</i> Russian 101 with a grade of "C" or better, or equivalent or two years of high school Russian or equivalent. This course is the second in the Russian language series. Emphasis is placed on developing language competency and an understanding of the Russian culture. In this interactive course, students listen, read, speak, and write beyond the novice level. Students develop their receptive and productive competencies to the low-intermediate or mid-intermediate level. Additional language structures and vocabulary for communication are examined and explored in Russian. This course is intended for all students interested in the Russian language and culture.</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: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Methods of Evaluation</i> <i>Methods of Instruction</i> <i>Outside Assignments</i> <i>Reading Assignments</i> <i>Student Learning Objectives</i> <i>Texts</i> <i>Writing Assignments</i> Approved</p> <p>Proposed for College(s): City, Mesa</p> <p>Originating Campus: MESA</p> <p><i>This course is being proposed at City for:</i></p> <ul style="list-style-type: none"> • <i>CSU General Education: C2 Area C. Arts and Humanities - Humanities (Literature, Philosophy, Languages Other than English)</i> • <i>IGETC: Area 6. Languages other than English (UC Requirement Only) - 6A: Languages Other Than English and Area 3. Arts and Humanities - 3B: Humanities</i> • <i>District General Education: C Humanities</i> <p><i>To be reviewed at the May 14th CIC meeting</i></p> <p><i>This course is being proposed at City for UC Transfer Course List</i></p> <p>Effective: Fall 2016</p>
--	---

*Requires Board of Trustees approval prior to implementation
~Course requires CCCCCO submission

Curriculum Instructional Council Actions Approved – November 13, 2014

Subject: Web Development (WEBD) Discipline: Multimedia

<p>153 Beginning Web Databases</p> <p style="text-align: right;">40 - 45 hours lecture, 24 - 27 hours lab, 3 units</p> <p style="text-align: right;">Grade Only</p> <p>REQUISITES: <i>Advisory:</i> English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5; Web Development 162 or Web Development 165, Computer Business Technology 101 and Computer Business Technology 114, each with a grade of "C" or better, or equivalent. This course provides a hands-on introduction to relational databases in a Web environment. Emphasis is placed hand-coding Structured Query Language (SQL), specifically MySQL. Students master an open source database editor, XAMPP, to create and work with a database. Basic PHP: Hypertext Preprocessor (PHP) is used to bind data on a Web page. This course is designed for students studying web design and professionals updating their skills.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Prerequisite (Remove)</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
---	---

Subject: Web Development (WEBD) Discipline: Multimedia

<p>166 PHP: an Introduction</p> <p style="text-align: right;">40 - 45 hours lecture, 24 - 27 hours lab, 3 units</p> <p style="text-align: right;">Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> Computer Business Technology 101, Computer Business Technology 114, Computer Business Technology 161, Web Development 162, Web Development 170 and Web Development 153, 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 Computer Business Technology 166. This course is a hands-on study of the fundamentals of PHP: Hypertext Preprocessor (PHP) coding. Students create dynamic-driven webpages in accordance with current professional standards. This course is designed for all students and professionals who wish to acquire skills in dynamic website creation and development.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Prerequisite (Remove)</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2015</p>
--	---

*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

Approved

**Curriculum Instructional Council
Actions Approved – November 13, 2014**

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.)

*Exercise Science

Program Revision- *Approved*

Health Education- Miramar, PID 2887: Effective Fall 2015

Exercise and Nutritional Sciences Associate of Science

*Physical Science

Program Revision- *Approved*

Physical Science- Miramar, PID 2896: Effective Fall 2015

Pre-Engineering Studies Associate of Science

*Requires Board of Trustees approval prior to implementation

~Course requires CCCCCO submission