

Curriculum Instructional Council
Actions Approved – October 22, 2020

Subject: Anthropology (ANTH)

<p>215 Cultures of Latin America</p> <p style="text-align: right;">48 - 54 hours lecture, 3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Milestone R60 and W60. This course is a study of the cultural history of Latin America from pre-Columbian to colonial and contemporary civilizations. Emphasis is placed on the Mesoamerican and Andean civilizations. Students use contemporary anthropological research, ethnohistoric and archaeological data to assess and compare the rich cultural experiences of past and present peoples. This course is intended for anthropology majors and all students interested in Latin American civilization and culture.</p> <p>FIELD TRIP REQUIREMENTS: Not required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. IGETC. UC Transfer Course List. CSU General Education.</p>	<p>Offered At: City, Mesa</p> <p>Action(s) Proposed: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Subject: Astronomy (ASTR) Discipline: Physics/Astronomy

<p>109 Practice in Observing</p> <p style="text-align: right;">48 - 54 hours lab, 1 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Corequisite:</i> Completion of or concurrent enrollment in Astronomy 101 or Astronomy 102, each with a grade of "C" or better, or equivalent. This is a laboratory field experience course in general astronomy. Emphasis is placed on the constellations, celestial cycle interpretation, and descriptive observations of astronomical objects and events with and without the use of telescopes. This course is for all students interested in field experience in general astronomy.</p> <p>FIELD TRIP REQUIREMENTS: Required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. IGETC. CSU General Education. UC Transfer Course List.</p>	<p>Offered At: Mesa, Miramar, City</p> <p>Action(s) Proposed: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

Curriculum Instructional Council

Actions Approved – October 22, 2020

Subject: Astronomy (ASTR) Discipline: Physics/Astronomy

<p>290 Independent Study</p> <p style="text-align: right;">48 - 162 hours other, 1-3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Obtain Permission Number from Instructor. This course is for students who wish to conduct additional research, a special project, or learning activities in the field of astronomy. It 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 analyses, 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: Miramar, City, Mesa</p> <p>Action(s) Proposed: Distance Learning - No Other Action</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Subject: Chemistry (CHEM) Discipline: Chemistry

<p>130L Introduction to Organic and Biological Chemistry Laboratory</p> <p style="text-align: right;">48 - 54 hours lab, 1 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Prerequisite:</i> Chemistry 100, Chemistry 100L or Chemistry 152, and Chemistry 152L, each with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Completion of or concurrent enrollment in Chemistry 130 with a grade of "C" or better, or equivalent. This is a one-semester laboratory course that illustrates the principles presented in Chemistry 130. Students are introduced to common organic chemistry laboratory equipment, fundamental organic and biochemical reactions, tests and techniques. Techniques covered include chromatography, recrystallization, and distillation. Tests and reactions of common organic functional groups, carbohydrates, fats, and amino acids are covered. Synthesis of a medicinal compound such as aspirin or a nitrogen-based analgesic is also covered. This course is designed for nursing, nutrition, and allied health majors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Distance Learning - No Other Action</p> <p>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: Spring 2021</p>
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Curriculum Instructional Council

Actions Approved – October 22, 2020

Subject: Chemistry (CHEM) Discipline: Chemistry

152L Introduction to General Chemistry Laboratory

48 - 54 hours lab, 1 units

Letter Grade or Pass/No Pass Option

REQUISITES:

Prerequisite: Mathematics 96 with a grade of "C" or better, or equivalent or Milestone M50.

Corequisite: Completion of or concurrent enrollment in Chemistry 152 with a grade of "C" or better, or equivalent.

Limitation on Enrollment: This course is not open to students with previous credit for Chemistry 151.

This course is a one-semester laboratory in the principles of inorganic and physical chemistry in preparation for General Chemistry. Topics include chemical measurement, significant figures, laboratory safety, laboratory techniques, chemical reactions and stoichiometry. Emphasis is placed on problem solving, data analysis and chemical calculations. This course is intended for students majoring in one of the natural sciences, engineering or related curricula who need to take General Chemistry.

FIELD TRIP REQUIREMENTS: May be required

TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.

Offered At: City, Mesa, Miramar

Action(s) Proposed: Distance Learning - No Other Action

Approved

Proposed for College(s): Miramar

Originating Campus: MIRAMAR

Dist. Ed Proposed For College(s): Miramar

Effective: Spring 2021

Subject: Chemistry (CHEM) Discipline: Chemistry

200L General Chemistry I - Laboratory

96 - 108 hours lab, 2 units

Letter Grade or Pass/No Pass Option

REQUISITES:

Prerequisite: Chemistry 152, and Chemistry 152L, each with a grade of "C" or better, or equivalent; Mathematics 96 with a grade of "C" or better, or equivalent or Milestone M50.

Corequisite: Completion of or concurrent enrollment in Chemistry 200 with a grade of "C" or better, or equivalent.

This is the first semester laboratory course in a two course sequence in general chemistry. Emphasis is placed on laboratory experiments that illustrate the fundamental principles and laws of chemical behavior and the properties of matter, including quantitative, mathematical problem-solving. Topics include techniques of data analysis, chemical formulas, equations, stoichiometry and maintenance of a laboratory notebook. This course is intended for science majors and all students interested in chemistry.

FIELD TRIP REQUIREMENTS: May be required

TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. IGETC. UC Transfer Course List. CSU General Education.

Offered At: City, Mesa, Miramar

Action(s) Proposed: Distance Learning - No Other Action

Approved

Proposed for College(s): Miramar

Originating Campus: MIRAMAR

Dist. Ed Proposed For College(s): Miramar

Effective: Spring 2021

Curriculum Instructional Council

Actions Approved – October 22, 2020

Subject: Chemistry (CHEM) Discipline: Chemistry

<p>201L General Chemistry II - Laboratory</p> <p style="text-align: right;">96 - 108 hours lab, 2 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Prerequisite:</i> Chemistry 200, and Chemistry 200L, each with a grade of "C" or better, or equivalent; Mathematics 96 with a grade of "C" or better, or equivalent or Milestone M50. <i>Corequisite:</i> Completion of or concurrent enrollment in Chemistry 201 with a grade of "C" or better, or equivalent. This is the second semester laboratory course of a two course sequence in general chemistry. It is intended for students majoring in science or satisfying prerequisites for professional schools. Emphasis is placed on the fundamental principles of physical and inorganic chemistry. Topics include techniques of data analysis, chemical kinetics, chemical equilibrium, acids, bases, and salts, thermochemistry, electrochemistry, coordination chemistry. Computer skills are introduced and applied to data analysis, laboratory simulations, and computer interfacing with laboratory equipment.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. IGETC. UC Transfer Course List. CSU General Education.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Distance Learning - No Other Action</p> <p>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: Spring 2021</p>
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Subject: Chemistry (CHEM) Discipline: Chemistry

<p>231L Organic Chemistry I - Laboratory</p> <p style="text-align: right;">96 - 108 hours lab, 2 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Prerequisite:</i> Chemistry 201 with a grade of "C" or better, or equivalent, and Chemistry 201L with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Completion of or concurrent enrollment in: Chemistry 231 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 Milestone R60 and W60. This laboratory course is designed to illustrate the principles presented in the first semester of organic chemistry. Emphasis is placed on the determination of physical properties and the separation, purification and identification of organic compounds. This course acquaints students with the equipment, glassware, techniques and safe practices specific to the organic chemistry laboratory. Techniques, such as measurement of physical constants, recrystallization, extraction, distillation and chromatography are used in the synthesis and/or characterization of selected classes of organic compounds, such as alkanes, alkenes, alkynes, alkyl halides, and alcohols. The organic chemistry literature and spectral interpretation using techniques, such as infrared and nuclear spectroscopies, are introduced to support the above topics. This course is designed for students pursuing a degree in the chemical sciences or training in chemical technology, as well as other transfer students who need organic chemistry as part of preparation for majors, such as molecular biology, premedical, pre dental, and pharmacy.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Distance Learning - No Other Action</p> <p>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: Spring 2021</p>
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Subject: Chemistry (CHEM) Discipline: Chemistry

<p>233L Organic Chemistry II - Laboratory 96 - 108 hours lab, 2 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Prerequisite:</i> Chemistry 231 with a grade of "C" or better, or equivalent, and Chemistry 231L with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Completion of or concurrent enrollment in Chemistry 233 with a grade of "C" or better, or equivalent.</p> <p>This course is designed to illustrate the principles presented in the second semester of organic chemistry. Emphasis is placed on synthesis, purification and/or characterization of selected classes of organic compounds, including but not limited to aromatics, alcohols, aldehydes and ketones, carboxylic acids, amines, and simple examples of bio-organic molecules. Additional emphasis is placed on multi-step synthetic pathways and product identification using selected methods of qualitative organic analysis such as wet chemical and advanced spectroscopic techniques. Variation of scale from micro- to macro-quantities, and more advanced separation and analytical techniques, distinguish the level of this course from the first semester of organic chemistry laboratory. This course is designed for students pursuing a degree in the chemical sciences or training in chemical technology, as well as other transfer students who need organic chemistry as part of preparation for majors, such as molecular biology, premedical, pre dental, and pharmacy.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Distance Learning - No Other Action 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: Spring 2021</p>
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Subject: Chemistry (CHEM) Discipline: Chemistry

<p>251 Quantitative Analytical Chemistry 48 - 54 hours lecture, 96 - 108 hours lab, 5 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Prerequisite:</i> Chemistry 201 with a grade of "C" or better, or equivalent, and Chemistry 201L with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Completion of or concurrent enrollment in Mathematics 122 or Mathematics 150, each 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 Milestone R60 and W60.</p> <p>This is a course in quantitative analysis. Major topics include theory and practice of gravimetric and volumetric methods of chemical analysis and introduction to instrumental methods of analysis with a focus on precision and accuracy of experimental data. This course is intended for students majoring in chemistry or biochemistry and others who need the course for career advancement.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. CSU General Education. IGETC. UC Transfer Course List.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Dist. Ed Proposed For College(s): City</p> <p>Effective: Spring 2021</p>
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**Curriculum Instructional Council
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Subject: Child Development (CHIL) Discipline: Child Development/Early Childhood Education

<p>151 Program Planning</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Child Development 101, and Child Development 111, or Child Development 121, Child Development 131, Child Development 133 or Child Development 135, and Child Development 160, each with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Child Development 270 or Child Development 275. <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Milestone R60 and W60.</p> <p>This course focuses on planning the preschool learning environment to promote optimal development. Emphasis is placed on curriculum planning, guidance, safety, record keeping, observation techniques, project planning, and classroom management. Students enrolled in this course must be concurrently working in a preschool learning environment under the supervision of a person holding a Child Development Master Teacher Permit or the equivalent. This course is intended for students pursuing teaching careers in early care and education settings and partially fulfills State of California Permit and Title 22 teacher requirements.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Corequisite (Change)</i> <i>Prerequisite (New)</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): City, Mesa, Miramar</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Subject: Child Development (CHIL) Discipline: Child Development/Early Childhood Education

<p>166 Curriculum for Diverse Learners</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>This course is an in-depth study of inclusive environments, guidance techniques, and curriculum planning strategies that are designed to meet the needs of the diverse children and families in our current society. Emphasis is placed on cognitive, physical, social- emotional, cultural, and linguistic diversity, and how well-designed environments, intentionally planned curriculum, and supportive behavioral strategies work together to provide a classroom that is welcoming and ensures that all children and families in the program thrive. This course is designed for parents, teachers, nurses, social workers, and paraprofessionals employed in schools and early childhood programs. This course partially meets the specialization requirements for the Master Teacher Permit.</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: Distance Learning - No Other Action</p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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**Curriculum Instructional Council
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Subject: Child Development (CHIL) Discipline: Child Development/Early Childhood Education

<p>210 Supervision of Early Childhood Programs</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Child Development 141, and Child Development 151, 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 Child Development 201 or Child Development 201B. This course is a study of the supervisory tools and techniques required to organize and evaluate early childhood programs. Emphasis is placed on supervisory functions, in-service staff training, educational philosophies, program and staff evaluation, models of parent education and involvement, and supportive services. This course is designed for students who intend to go into supervisory positions in early childhood education, and it partially fulfills the State of California Child Development Permit Matrix requirement for supervisors and directors and also meets the State of California Title 22 licensing regulations for directors.</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: Distance Learning - No Other Action</p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Subject: Child Development (CHIL) Discipline: Child Development/Early Childhood Education

<p>210 Supervision of Early Childhood Programs</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Child Development 141, and Child Development 151, 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 Child Development 201 or Child Development 201B. This course is a study of the supervisory tools and techniques required to organize and evaluate early childhood programs. Emphasis is placed on supervisory functions, in-service staff training, educational philosophies, program and staff evaluation, models of parent education and involvement, and supportive services. This course is designed for students who intend to go into supervisory positions in early childhood education. It partially fulfills the State of California Child Development Permit Matrix requirement for supervisors and directors and also meets the State of California Title 22 licensing regulations for directors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Reading Assignments</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): City, Mesa, Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2021</p>
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**Curriculum Instructional Council
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Subject: Child Development (CHIL)

<p>290 Independent Study</p> <p align="right">48 - 162 hours other, 1-3 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Obtain Permission Number from Instructor. Investigation of a special area in the field of Child Development.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City, Mesa</p> <p>Action(s) Proposed: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Subject: Dental Assisting (DENA) Discipline: Dental Technology

<p>60L Clinical Business Management Lab</p> <p align="right">48 - 54 hours lab, 1 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Dental Assisting 54L with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Dental Assisting 60. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Dental Assisting 131 or Dental Assisting 132L. This lab course presents a basic foundation for the administrative dental assistant in accounts receivable and payable when theories can be applied to a computerized system. Included is the role of the dental assistant in clinical record keeping, preparing treatment plans, telephone techniques, effective scheduling, insurance processing, and maintaining recall and inventory control systems. This course is designed for students enrolled in the Dental Assisting Program.</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: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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**Curriculum Instructional Council
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Subject: Dental Assisting (DENA) Discipline: Dental Technology

<p>62 Dental Specialties I</p> <p align="right">40 - 45 hours lecture, 2.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Dental Assisting 117, and Dental Assisting 54, each with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Dental Assisting 62L. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Dental Assisting 161 or Dental Assisting 162. This course presents the first phase of dental specialties: Prosthodontic Dentistry, Periodontics, Oral and Maxillofacial surgery and Pediatric dentistry. Topics include fixed and removable dental prosthesis, provisional coverage, basics of dental implants, teeth whitening, infection process of periodontal disease, and the types of dental instruments used in each specialty procedure. This course also covers the theory for the application of pit and fissure sealants. This course is designed for students enrolled in the Dental Assisting program.</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 2021</p>
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Subject: Dental Assisting (DENA) Discipline: Dental Technology

<p>62L Dental Specialties I Laboratory</p> <p align="right">96 - 108 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Dental Assisting 54L, Dental Assisting 83A, and Dental Assisting 117L, each with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Dental Assisting 62. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Dental Assisting 161L or Dental Assisting 162L. This laboratory course presents the practical application of chairside assisting and laboratory techniques in the specialty areas of fixed and removable prosthodontics, dental implants, oral and maxillofacial surgery, periodontic surgery and pediatric dentistry. Laboratory practice includes developing skills in constructing provisional crowns, scanning and milling a fixed crown, bleaching trays, use and care of specialized instruments, and preparation of impression materials. Assisting skills are developed in a variety of surgical procedures and final impressions. This course provides certification in pit and fissure sealants. The following are taught to clinical proficiency: Preliminary impressions, bleaching trays, and dental sealants. This course is intended for the student enrolled in the Dental Assisting program.</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 2021</p>
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**Curriculum Instructional Council
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Subject: Dental Assisting (DENA) Discipline: Dental Technology

<p>82 Dental Specialties II</p> <p align="right">40 - 45 hours lecture, 2.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Dental Assisting 117, and Dental Assisting 54, each with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Dental Assisting 82L. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Dental Assisting 181 or Dental Assisting 182. This course presents discussion and examination of Law and Ethics and the California Dental Practice Act as they apply to dental assistants. Topics include the qualifications and the examination outlines for the California Registered Dental Assistant (RDA) Licensure and National Certification. This course also includes mouth mirror inspection for the RDA, orthodontics and endodontic specialties. Theory and instruction for the California Certification course of Coronal Polishing is also be presented. This course is designed for students enrolled in the Dental Assisting Program.</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 2021</p>
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Subject: Dental Assisting (DENA) Discipline: Dental Technology

<p>82L Dental Specialties II Lab</p> <p align="right">96 - 108 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Dental Assisting 54L, Dental Assisting 58L, and Dental Assisting 117L, each with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Dental Assisting 82. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Dental Assisting 181L or Dental Assisting 182L. This course prepares the student to perform procedures of the chairside dental assistant in the specialty areas of Orthodontia and Endodontics. The preclinical level includes placement of liners, bases, custom provisional coverage, and temporary sedative restorations on a typodont. The following are taught to clinical proficiency: Mouth mirror inspection, use of intra-oral camera, charting the findings, taking impressions for orthodontic study models, bite registration, coronal polishing and infection control evaluations for certification.</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>Supplies</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Actions Approved – October 22, 2020**

Subject: Dental Assisting (DENA) Discipline: Dental Technology

<p>83A Directed Clinical Practice</p> <p style="text-align: right;">72 – 81 hours other, 1.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Dental Assisting 50 with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Completion of or concurrent enrollment in Dental Assisting 54L, Dental Assisting 58L, and Dental Assisting 117L, each with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Dental Assisting 185A or Dental Assisting 186A or Dental Assisting 86A. This course is designed for students in the Dental Assisting program to gain experience in directed clinical practice (DCP) in a dental clinic. Basic dental assisting is the main focus of this course. Support procedures include: infection control, preparing treatment rooms and patients for treatment, and assisting in restorative chairside procedures using four and six-handed dentistry. The dental assisting student will also have the opportunity to manipulate a variety of dental materials. Students are required to complete Basic Life Support (BLS) Certification for Healthcare Providers before beginning at their clinical site. The DCP is coordinated by a member of the college faculty. Supervision of the student is shared by the staff of the affiliating institution and faculty from the Dental Assisting Program. Students may not be paid for DCP. This course is for students who have been admitted to the Dental Assisting Program.</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>Student Learning Objectives</i> <i>Supplies</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Dental Assisting (DENA) Discipline: Dental Technology

<p>83B Directed Clinical Practice</p> <p align="right">216 – 243 hours other, 4.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Dental Assisting 83A with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Dental Assisting 139. <i>Corequisite:</i> Completion of or concurrent enrollment in Dental Assisting 60L, Dental Assisting 62L, and Dental Assisting 82L, 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 Dental Assisting 185B, Dental Assisting 185C, Dental Assisting 185D, Dental Assisting 186B, or Dental Assisting 86B. This course provides dental assisting students a comprehensive, supervised application of knowledge and skills in all aspects of chairside assisting and administrative procedures in dental offices or clinics. Focus is on the job-ready, safe, legal, ethical and effective application of registered dental assistant functions. Rotations to specialty clinics are required. Directed clinical practice (DCP) is coordinated by a member of the Dental Assisting program faculty. Supervision of the student is shared by the staff of the dental office or clinic and a faculty member. This course includes clinical hours of dental radiography and administrative assistant duties. Students may not be paid for DCP. This course is for students who are enrolled in the dental assisting program.</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>Supplies</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Dental Assisting (DENA) Discipline: Dental Technology

<p>117 Dental Materials</p> <p align="right">40 - 45 hours lecture, 2.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Dental Assisting 50 with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Dental Assisting 117L. <i>Corequisite:</i> Completion of or concurrent enrollment in: Dental Assisting 56 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 Dental Assisting 116. This course is a study of the materials used in dentistry and the agencies responsible for dental materials standards. Emphasis is placed on the history of restorative dentistry and its related materials. Topics include restorative, preventive and cosmetic materials, prosthetics, the chemical and physical properties of each material, and proper manipulation techniques. This course covers safe materials handling practices with emphasis on potential hazards to patient, operator and/or the environment. This course is for students who have been admitted to the Dental Assisting Program.</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>Supplies</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Dental Assisting (DENA) Discipline: Dental Technology

<p>117L Dental Materials - Lab</p> <p align="right">48 - 54 hours lab, 1 units Grade Only</p> <p>REQUISITES: <i>Corequisite:</i> Dental Assisting 117. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Dental Assisting 116L. This course provides dental assisting students with the opportunity to manipulate a variety of dental materials commonly used in modern dentistry. Students practice proper safe handling, dispensing and manipulation techniques for each material presented. This course is for students who have been admitted to the Dental Assisting Program.</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>Student Learning Objectives</i> <i>Supplies</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Dental Assisting (DENA) Discipline: Dental Technology

<p>129 Dental Radiography I</p> <p align="right">40 - 45 hours lecture, 2.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Dental Assisting 50 with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Dental Assisting 129L. <i>Corequisite:</i> Completion of or concurrent enrollment in Dental Assisting 56 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 Dental Assisting 127 or Dental Assisting 128. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This is a lecture course that provides the dental assisting student with the history, ethics, infection control and principles of dental radiographic production. Various techniques for obtaining intra-oral radiographs and digital images are presented. The radiographic identification of anatomical landmarks, dental pathology and dental treatment is explored. An introduction to dental photography as well as the discussion of the management of pediatric patients and patients with special needs in dental radiography is also presented. This course is for students who have been admitted to the Dental Assisting Program.</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>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Dental Assisting (DENA) Discipline: Dental Technology

<p>129L Dental Radiography Lab</p> <p align="right">24 - 27 hours lab, 0.5 units Grade Only</p> <p>REQUISITES: <i>Corequisite:</i> Dental Assisting 129. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Dental Assisting 125 or Dental Assisting 127L or Dental Assisting 128L. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This is a laboratory course in which the dental assisting student demonstrates radiation protective techniques, caring for dental x-ray equipment, exposing, processing, mounting, and evaluating dental radiographs using infection control techniques. Exposures are accomplished using dental film and digital imaging on manikins (DXTTR) in preparation for exposures on human patients. The student identifies anatomical landmarks and basic caries as well as periodontal disease processes on intra-oral and extra-oral radiographs with beginning level competence. The student obtains a set of full mouth radiographs on a human patient. This course is for students who have been admitted to the Dental Assisting Program.</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>Supplies</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Dental Assisting (DENA) Discipline: Dental Technology

<p>139 Dental Radiography II</p> <p align="right">24 - 27 hours lab, 0.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Dental Assisting 129L with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Dental Assisting 83B. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Dental Assisting 136. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is the clinical level of dental x-rays and covers the techniques and skills required for obtaining full mouth series of dental radiographs and digital images of diagnostic quality, including Panoramic and Cephalometric images. The use of various radiographic positioning devices is included. Students obtain extra-oral and intra-oral dental photographs. In addition students complete the NOMAD x-ray unit training using a pediatric dental manikin. The student has the opportunity to expose radiographs in a simulated private practice environment through a program of referral of patient by local dentists. Students obtain a California State Radiation Safety Certification of Completion upon satisfactory completion of course requirements. This course is designed for students enrolled in the Dental Assisting Program.</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>Supplies</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Engineering (ENGE) Discipline: Engineering

<p>116 Computational Methods in Engineering 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in: Mathematics 151 with a grade of "C" or better, or equivalent.</i> This course introduces students to computational methods and their applications to computer-based problem solving for engineers. Students formulate and solve engineering problems through modeling and the application of numerical methods, then evaluate and rationalize the results using Matlab computational engineering software. Topics include functions and arrays, data and file management, loops, control flow, and standard library packages and software. Numerical methods covered include matrix operations, Gauss Reduction, Newton Raphson, curve fitting, interpolation, numerical differentiation and numerical integration. Engineering application include finite element analysis, dynamics, computational fluid mechanics, data visualization and image analysis. This course is designed for students majoring in engineering.</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: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: English (ENGL) Discipline: English

<p>207 The Art of the Sentence 48 - 54 hours lecture, 3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Prerequisite: English 101 or English 105, each with a grade of "C" or better, or equivalent or Milestone R60 and W60.</i> This course is a study of the stylistic aspects of the sentence through the application of linguistic and rhetorical principles. Emphasis is placed on the interconnections among grammatical design, content, and purpose. Students move beyond basic correctness to sophisticated aspects of sentence patterning in order to achieve clarity and force in written expression. This course is intended for transfer students, those who desire to write and/or speak as effectively as possible in their academic work and/or career, and those with a special interest in language and linguistics.</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: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</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 2021</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: English (ENGL)

<p>290 Independent Study</p> <p align="center">48 - 162 hours other, 1-3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Obtain Permission Number from Instructor. For students who wish to study special topics. May not be used to replace an existing course.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City, Mesa</p> <p>Action(s) Proposed: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Subject: English (ENGL) Discipline: English

<p>290 Independent Study</p> <p align="center">48 - 162 hours other, 1-3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Obtain Permission Number from Instructor. This course is for students who wish to conduct additional research, a special project, or learning activities in the field of English. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research, preparing reports, and meeting with the instructor at specific intervals.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City, Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review Course Description Outline of Topics Student Learning Objectives</i> Approved</p> <p>Proposed for College(s): City, Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: French (FREN) Discipline: Foreign Languages

<p>290 Independent Study</p> <p align="right">48 - 162 hours other, 1-3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Obtain Permission Number from Instructor This course is designed for intermediate students who wish to work on special projects and to further develop further their skill in communication in French. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, engaging in primary research and preparing reports.</p> <p>FIELD TRIP REQUIREMENTS: Not required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City, Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review Course Description Methods of Instruction Reading Assignments Student Learning Objectives</i></p> <p>Approved</p> <p>Proposed for College(s): City, Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Geology (GEOL) Discipline: Earth Science

<p>111 The Earth Through Time</p> <p align="right">48 - 54 hours lecture, 48 - 54 hours lab, 4 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> English 101 or English 105, each with a grade of "C" or better, or equivalent or Milestone R60 and W60; Geology 100 or Geology 104, each with a grade of "C" or better, or equivalent. This course covers the principles of historical geology. Topics include the origin and evolution of Earth and its biosphere, plate tectonics, stratigraphy, paleontology, and geologic dating. This course is intended for students with a general interest in geoscience, as well as those majoring in geology, earth science, or geological engineering.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. IGETC. UC Transfer Course List. CSU General Education.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Distance Learning - No Other Action</p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

Approved

Curriculum Instructional Council Actions Approved – October 22, 2020

Subject: Geology (GEOL) Discipline: Earth Science

<p>290 Independent Study</p> <p style="text-align: right;">48 - 162 hours other, 1-3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> Geology 100, and Geology 101, each with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Obtain Permission Number from Instructor. This course is for students who wish to conduct additional research, a special project, or learning activities in the field of geology. It 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: 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: Distance Learning - No Other Action</p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Subject: German (GERM) Discipline: Foreign Languages

<p>290 Independent Study</p> <p style="text-align: right;">48 - 162 hours other, 1-3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Obtain Permission Number from Instructor. This course is designed for intermediate students who wish to work on special projects and to further develop their skill in communication in German. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, 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, Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Methods of Instruction</i> <i>Reading Assignments</i> <i>Student Learning Objectives</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 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Health Information Technology (HEIT) Discipline: Health Information Technology

<p>~ 266 Directed Clinical Practice</p> <p align="right">120 – 135 hours other, 2.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Health Information Technology 110, and Medical Assisting 110, 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 Health Information Technology 261 or Health Information Technology 263. This course provides professional practice experience for students enrolled in the health information technician program and is designed to provide students with supervised onsite experience performing entry-level tasks in a health information department in an assigned affiliated healthcare organization. Students gain exposure to the organization and functions of a health information department. Experiences may include release of information, data collection and reporting, registries, and health record analysis and documentation requirements.</p> <p>FIELD TRIP REQUIREMENTS: Not 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>Critical Thinking Assignments</i> <i>Outline of Topics</i> <i>Texts</i> <i>Title Change</i> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Health Information Management (HIMS) Discipline: Health Information Technology

<p>405 Foundations in Health Information Management</p> <p align="right">64 - 72 hours lecture, 4 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course provides an advanced level perspective on topics relevant to the health information management (HIM) profession. The concepts covered in this course include an overview of emerging issues such as HIM systems management, clinical classification systems, governance and stewardship, data quality and management, health information exchange, electronic health records, audit principles, compliance and risk management. This course is designed for health information management majors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Baccalaureate Degree Credit.</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>Student Learning Objectives</i> <i>Texts</i> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation

~Course requires CCCC submission

Curriculum Instructional Council
Actions Approved – October 22, 2020

Subject: Health Information Management (HIMS) Discipline: Health Information Technology

<p>408 Ethics in Healthcare Administration</p> <p style="text-align: right;">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course provides a comprehensive foundation for ethics in healthcare management and administration. Students gain knowledge of the theory and concepts of ethics and its application to health information and healthcare administration for them to be able to model sound decision making and ethical practice. Ethics related to the United States healthcare system around patient access, quality and cost are addressed. This course is designed for health information management majors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Baccalaureate Degree Credit.</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>Student Learning Objectives</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Health Information Management (HIMS) Discipline: Health Information Technology

<p>410 Healthcare Informatics</p> <p style="text-align: right;">64 - 72 hours lecture, 4 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is designed to bring together healthcare generated information and technology for the purpose of improving quality of care in a cost-effective manner. The primary concepts covered include data standards, data management, health information exchange, clinical decision support, privacy and security issues involving protected health information, emerging trends, data governance, and new technologies. This course is designed for health information management majors.</p> <p>FIELD TRIP REQUIREMENTS: Required</p> <p>TRANSFER APPLICABILITY: Baccalaureate Degree Credit.</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 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Health Information Management (HIMS) Discipline: Health Information Technology

<p>415 Healthcare Analytics 48 - 54 hours lecture, 48 - 54 hours lab, 4 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course focuses on the analysis of data for the purpose of generating information resulting in actionable decisions. The primary concepts covered in this course include advanced health care statistics, data analysis, mining, exploration and visualizations. Microsoft Excel is utilized to analyze data and information related to clinical and business systems in healthcare. This course is designed for health information management majors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Baccalaureate Degree Credit.</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>Reading Assignments</i> <i>Student Learning Objectives</i> <i>Supplies</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Health Information Management (HIMS) Discipline: Health Information Technology

<p>418 Topics in Legal and Compliance for Healthcare Professionals 64 - 72 hours lecture, 4 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course focuses on the laws and regulations applicable to healthcare compliance. Topics include federal and state law enforcement and reporting requirements, risk management, audit trails, fraud detection, ethical and legal requirements related to coding, personal health record (PHR), analysis of privacy, security, and confidentiality policies and procedures. This course is designed for health information management majors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Baccalaureate Degree Credit.</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 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

Curriculum Instructional Council Actions Approved – October 22, 2020

Subject: Health Information Management (HIMS) Discipline: Health Information Technology

<p>420 Principles of Finance for Health Information Management 48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Must be admitted to the Health Information Management program. This course covers the fundamentals of financial management in the healthcare setting. The primary concepts covered in this course include capital, operating and/or project budgets using basic accounting principles, performing cost-benefit analysis for resource planning and allocation, evaluating vendor contracts, and negotiation skills. This course is designed for health information management majors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Baccalaureate Degree Credit.</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 2021</p>
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Subject: Health Information Management (HIMS) Discipline: Health Information Technology

<p>425 Revenue Cycle Management 48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course covers advanced topics in healthcare revenue cycle management. Concepts covered in this course include healthcare classification systems and terminologies, chargemaster management, revenue cycle and audit processes, utilization and resource management, and application and analysis of the relationship between clinical code assignment and reimbursement. This course is designed for health information management majors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Baccalaureate Degree Credit.</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 2021</p>
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*Requires Board of Trustees approval prior to implementation
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Curriculum Instructional Council Actions Approved – October 22, 2020

Subject: Health Information Management (HIMS) Discipline: Health Information Technology

<p>440 Leadership and Strategic Management for Healthcare Professionals 64 - 72 hours lecture, 4 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course examines the theory and practice of leadership, strategic management, and change management in healthcare settings. The primary concepts covered in this course include an overview of emerging issues such as business planning, organizational change, innovation, strategic planning, leadership thinking and goals, change implementation and strategies for successful transitions. This course is designed for health information management majors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Baccalaureate Degree Credit.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Distance Learning - No Other Action</p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Subject: Health Information Management (HIMS) Discipline: Health Information Technology

<p>440 Leadership and Strategic Management for Healthcare Professionals 64 - 72 hours lecture, 4 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course examines the theory and practice of leadership, strategic management, and change management in healthcare settings. The primary concepts covered in this course include an overview of emerging issues such as business planning, organizational change, innovation, strategic planning, leadership thinking and goals, change implementation and strategies for successful transitions. This course is designed for health information management majors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Baccalaureate Degree Credit.</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>Outline Assignment</i> <i>Student Learning Objectives</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Health Information Management (HIMS) Discipline: Health Information Technology

<p>445 Healthcare Information Systems Analysis and Design 48 - 54 hours lecture, 48 - 54 hours lab, 4 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is designed to prepare students in the planning, analysis, design, and implementation of healthcare computer-based information systems. The concepts include system requirements, systems development lifecycle, system architecture including database design, data warehousing, workflow concepts, and systems performance management. This course is designed for health information management majors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Baccalaureate Degree Credit.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Student Learning Objectives</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Health Information Management (HIMS) Discipline: Health Information Technology

<p>460 Advanced Directed Clinical Placement 70 - hours other, 1 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course provides supervised onsite professional practice experience (PPE) for Health Information Management students. This course integrates theory and professional practice in health information management. Emphasis is placed on applying management theories to actual work settings, practice of professional behavior, ethics, and self reflection including career goals. Project topics will support a local HIM community of interest and will be designed by the student, instructor, and the PPE site manager. Note: This course may require student travel. To meet course requirements the student may be required to be available during normal business hours (i.e. 8:00 am to 5:00 pm) for site visits, conduction of professional interviews, and data gathering. This course is designed for Health Information Management majors.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Baccalaureate Degree Credit.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Distance Learning - No Other Action</p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Humanities (HUMA) Discipline: Humanities

<p>202 Mythology: Hero's Journey</p> <p align="right">48 - 54 hours lecture, 3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Milestone R60 and W60. This course is a study of the hero's journey. Emphasis is placed on the internal and external dimensions of the hero's journey as reflected in myths of the world through written and other artistic sources. This course is intended for all students majoring in the Humanities and all students interested in mythology.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. CSU General Education.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review Field Trip Outside Assignments Texts</i></p> <p>Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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Subject: Marketing (MARK) Discipline: Marketing

<p>110 Principles of Retailing</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Milestone R60 and W60. This course is a study of the principles and practices of retailing. Topics include retail strategic planning, merchandise management, supply chain management, and retail location and site analysis. This course is designed for students majoring in Marketing and anyone interested in learning more about the different aspects of running a successful retail operation.</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 Advisory (Change) Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

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

<p>56 Administrative Medical Assisting I 16 - 18 hours lecture, 24 - 27 hours lab, 1.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Medical Assisting 110 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 104. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Medical Assisting 66. This course is designed to prepare Allied Health students to work in physicians' offices, clinics, hospitals, and other medical areas. The course covers administrative and clerical functions of a medical office assistant including patient reception, scheduling appointments, telephone procedures, medical records management, written communications, patient records, office management, professional activities, and personal conduct.</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>Methods of Evaluation</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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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 76 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 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></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

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

<p>88 Electrocardiogram Application</p> <p style="text-align: right;">24 - 27 hours lab, 0.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Medical Assisting 76 and Medical Assisting 55, each with a grade of "C" or better, or equivalent or Biology 160 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 and types of cardiac rhythms, both normal and abnormal, are 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.</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></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
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**Curriculum Instructional Council
Actions Approved – October 22, 2020**

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 76 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 Medical Assisting 230. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. 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> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Medical Assisting (MEDA) Discipline: Health Care Ancillaries

<p>94 Medication Administration</p> <p align="right">24 - 27 hours lab, 0.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Medical Assisting 110 and Medical Assisting 76, 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 250. In this course the medical assisting student practices the hands-on-application of medication administration. The course presents the principles and the guidelines for reading and interpreting a medical prescription. The course content also stresses the mechanisms for calculating, measuring and administering drugs; both orally and parenterally using placebos to carry out the medical prescription. Principles of intravenous (I.V.) therapy are discussed. Students maintain medication and immunization records in accordance with the appropriate application of documentation and record preparation principles. Also covered in this course are the complications of medication administration and the immediate measures that need to be applied in each situation. Students should be aware that they perform and practice invasive procedures on each other as one of the course requirements. This course is designed for students enrolled in the Medical Assisting Program.</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> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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**Curriculum Instructional Council
Actions Approved – October 22, 2020**

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

<p>97 Directed Clinical Practice</p> <p align="right">216 – 243 hours other, 4.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Medical Assisting 110, Medical Assisting 76, 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 or Medical Assisting 96. 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. The course is designed for students enrolled in the Medical Assisting Program.</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>Course Description</i> <i>Six Year Review</i> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Multimedia (MULT) Discipline: Multimedia

<p>148 Business of Games</p> <p align="right">32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Multimedia 133. This course provides students with a fundamental understanding of the underlying functions, goals, and language of the video game development business. Students learn lessons from historical game releases that can be applied to new projects alongside general business best practices. Students learn the latest revenue models being used in the video game industry and how to leverage those tools to engage vs. alienate customers. Students research game employment opportunities, develop a resume, online presence, and create a business plan for an independent game project. This course is designed for multimedia students and students seeking employment in the digital entertainment industry.</p> <p>FIELD TRIP REQUIREMENTS: 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>Methods of Evaluation</i> <i>Outline of Topics</i> <i>Outside Assignments</i> <i>Reading Assignments</i> <i>Supplies</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 2021</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Nutrition (NUTR) Discipline: Nutritional Science/Dietetics

<p>160 Foods for Healthy Lifestyles</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>This course emphasizes scientific concepts of nutrition and food relating to health promotion. Health benefits and food sources of nutrients, healthy food preparation and food technologies are discussed. This class is intended for students majoring in nutrition and all students interested in attaining or promoting good health through nutrition.</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 2021</p>
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Subject: Physical Science (PHYN) Discipline: Earth Science, Physics/Astronomy

<p>290 Independent Study</p> <p align="right">48 - 162 hours other, 1-3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> Physical Science 100, and Physical Science 101, each with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Obtain Permission Number from Instructor.</p> <p>This course is for students who wish to conduct additional research, a special project, or learning activities in the field of physical science. It 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, Mesa, Miramar</p> <p>Action(s) Proposed: Distance Learning - No Other Action</p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Physical Therapist Assistant (PHYR) Discipline: Physical Therapy Assisting

<p>225 Acute Care Techniques</p> <p align="right">32 - 36 hours lecture, 2 units Grade Only</p> <p>REQUISITES: <i>Corequisite:</i> Physical Therapist Assistant 225L. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This lecture course provides the future Physical Therapist Assistant (PTA) with an exposure to the duties that relate to the PTA scope of practice with an emphasis on the acute and post-acute care settings. These duties include the principles of patient care management, safety within the facility, vital signs, patient positioning, basics of transfer and gait training with assistive devices for general orthopedic problems, wheelchair safety, basic wound care management to include universal precautions and infection control, and appropriate selection and progression of interventions based on physical therapist's plan of care. The course also fosters the development of communication skills, interpersonal relationships, and professionalism required for the health care field.</p> <p>FIELD TRIP REQUIREMENTS: 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 2021</p>
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Subject: Physical Therapist Assistant (PHYR) Discipline: Physical Therapy Assisting

<p>225L Acute Care Techniques Lab</p> <p align="right">96 - 108 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Corequisite:</i> Physical Therapist Assistant 225. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This laboratory course provides the future Physical Therapist Assistant (PTA) with an exposure to the duties related to the PTA scope of practice with an emphasis on the acute and post-acute care settings. These duties include the principles of patient care management, safety within the facility, vital signs, patient positioning, basics of transfer and gait training with assistive devices for general orthopedic problems, wheelchair safety, basic wound care management to include universal precautions and infection control, and appropriate selection and progression of interventions based on physical therapist's plan of care. The course also fosters the development of communication skills, interpersonal relationships, and professionalism required for the health care field.</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 2021</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Physical Therapist Assistant (PHYR) Discipline: Physical Therapy Assisting

<p>230 Introduction To Human Movement 32 - 36 hours lecture, 48 - 54 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Biology 160 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 Physical Therapist Assistant 114 or Physical Therapist Assistant 54. This lecture and lab course introduces the student Physical Therapist Assistant to the relationship between physical laws and the biomechanical principles of joint motion. The concepts of normal posture and human locomotion are contrasted with obvious posture and gait deviations. An understanding of kinesiology is applied to major joints in the body utilizing basic exercise applications for patients/clients with common orthopedic and neurologic conditions.</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 2021</p>
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Subject: Physical Therapist Assistant (PHYR) Discipline: Physical Therapy Assisting

<p>240 Introduction to Pathology 48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 122 or Physical Therapist Assistant 62. This course focuses on the etiology and characteristics of diseases of the body's systems as they relate to physical therapy, and includes a consideration of the general principles of tissue injury, inflammation, and healing. The course is designed for students enrolled in the Physical Therapist Assistant Program with an emphasis on identification of red flags that may occur with various pathologies and impact treatment decisions.</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 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Physical Therapist Assistant (PHYR) Discipline: Physical Therapy Assisting

<p>264 Therapeutic Modalities</p> <p align="right">24 - 27 hours lecture, 1.5 units Grade Only</p> <p>REQUISITES: <i>Corequisite:</i> Physical Therapist Assistant 264L. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This lecture course introduces the student Physical Therapist Assistant to the fundamental principles, physiological effects, and application techniques in the use of biophysical agents. Biophysical agents include soft tissue mobilization, thermotherapy, cryotherapy, compression therapy, hydrotherapy, ultrasound, electrotherapy, biofeedback, light therapy, and manual/mechanical traction procedures. Emphasis will be placed on indications, contraindications, and safe application of the above techniques, as well as assessment of technique effectiveness. The course also fosters development of patient communication and appropriate documentation of modality treatments.</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></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Physical Therapist Assistant (PHYR) Discipline: Physical Therapy Assisting

<p>264L Therapeutic Modalities Lab</p> <p align="right">72 - 81 hours lab, 1.5 units Grade Only</p> <p>REQUISITES: <i>Corequisite:</i> Physical Therapist Assistant 264. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This lab course introduces the student Physical Therapist Assistant to the fundamental principles, physiological effects, and application techniques in the use of biophysical agents. Biophysical agents include soft tissue mobilization, thermotherapy, cryotherapy, compression therapy, hydrotherapy, ultrasound, electrotherapy, biofeedback, light therapy, and manual/mechanical traction procedures. Emphasis will be placed on indications, contraindications, and safe application of the above techniques, as well as assessment of technique effectiveness within the laboratory setting. The course also fosters development of patient communication and appropriate documentation of modality treatments.</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 2021</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Physical Therapist Assistant (PHYR) Discipline: Physical Therapy Assisting

<p>275 Orthopedic Exercise and Rehabilitation</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Physical Therapist Assistant 250 with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Physical Therapist Assistant 275L. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 137 or Physical Therapist Assistant 77. This lecture course provides the physical therapist assistant student with a kinesiology based approach to the clinical applications used in the treatment and rehabilitation of the patient/client with orthopedic and related diagnoses. The focus is on safe, legal, ethical, and appropriate use of manual and therapeutic exercise interventions and screening assessment procedures within the physical therapist assistant scope of practice. The course fosters the development of critical thinking skills needed in the consideration of indications, precautions, contraindications, along with physiological and therapeutic effects of various techniques as applied to various orthopedic and related diagnoses.</p> <p>FIELD TRIP REQUIREMENTS: 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 2021</p>
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Subject: Physical Therapist Assistant (PHYR) Discipline: Physical Therapy Assisting

<p>275L Orthopedic Exercise and Rehabilitation-Lab</p> <p align="right">96 - 108 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Physical Therapist Assistant 250 with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Physical Therapist Assistant 275. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 137L or Physical Therapist Assistant 77L. This lab course provides the physical therapist assistant student with a kinesiology based approach to the clinical applications used in the treatment and rehabilitation of the patient/client with orthopedic and related diagnoses. The focus is on safe, legal, ethical and appropriate use of manual and therapeutic exercise interventions and screening assessment procedures within the physical therapist assistant scope of practice. Students will demonstrate the critical thinking skills needed in the application and modification of physical therapy interventions including indications, precautions, contraindications, and physiological and therapeutic effects of various techniques as applied to various orthopedic and related diagnoses. In addition, this course fosters the development of communication skills, interpersonal relationships, and professionalism required in the health care field.</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 2021</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Physical Therapist Assistant (PHYR) Discipline: Physical Therapy Assisting

<p>280 Organization of Physical Therapy</p> <p align="right">32 - 36 hours lecture, 2 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Physical Therapist Assistant 141 or Physical Therapist Assistant 81. This course provides physical therapist assistant (PTA) students with the fundamentals of ethics, values, and responsibilities in physical therapy as described by legal practice standards, including federal, state, and institutional regulations related to patient/client care and fiscal management. Topics include American Physical Therapy Association (APTA) guidelines for ethics and values, California Physical Therapy Practice Act and regulations, reporting requirements, insurance regulations, productivity, management, supervision, performance evaluations, professional liability insurance, career development, lifelong learning, and leadership skills. Students will assess their strengths and limitations as a PTA and their reactions to illness and disability with a diverse patient population.</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 2021</p>
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Subject: Physics (PHYS)

<p>*~ 277C Service Learning -- Community</p> <p align="right">1 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Obtain Permission Number from Instructor. Students in this course develop and implement service learning projects to help City College's community under the supervision of college faculty and in cooperation with the staff of community organizations and agencies. Projects may include collaboration with community projects and agencies and educational service-oriented projects for City College's community. Students gain hands-on experience in project planning, development, implementation and evaluation. Students meet weekly to receive support training and development opportunities regarding best practices in Service Learning. This course is intended for students from any discipline who are interested in project development, development of teaching skills, or enhancement of communication and planning skills. Course segments may be taken in any order. The combined credit for all 277C discipline courses may not exceed three units.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Deactivation (Not at any College)</p> <p>Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Physics (PHYS) Discipline: Physics/Astronomy

<p>290 Independent Study</p> <p align="right">48 - 162 hours other, 1-3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Obtain Permission Number from Instructor. For students who wish to study special problems.</p> <p>FIELD TRIP REQUIREMENTS: Not required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: City, Mesa</p> <p>Action(s) Proposed: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Subject: Psychology (PSYC) Discipline: Psychology

<p>125 Introduction to Behavior Modification</p> <p align="right">48 - 54 hours lecture, 3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Milestone R60 and W60. This course is an introduction to the basic principles of behavior modification. Emphasis is placed on applied learning theory as it pertains to life-style issues including exercise, weight and diet, time management, and stress and relaxation. This course is intended for Psychology majors and all students interested in the practical applications of learning theory.</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: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Subject: Psychology (PSYC) Discipline: Psychology

<p>161 Introduction to Counseling</p> <p align="right">48 - 54 hours lecture, 3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Milestone R60 and W60. This course is an introductory study of the history and complexity of the counseling relationship. Emphasis is placed on the skills required to be an effective counselor. Topics include various counseling approaches and settings as well as related legal and ethical issues. This course is intended for psychology majors and anyone interested in the therapeutic aspects of counseling psychology.</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: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Dist. Ed Proposed For College(s): City</p> <p>Effective: Spring 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Psychology (PSYC) Discipline: Psychology

<p>255 Introduction to Psychological Research 48 - 54 hours lecture, 3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Prerequisite:</i> Psychology 101 and Psychology 258 or Mathematics 119 or Biology 200, each with a grade of "C" or better, or equivalent. This course is an introduction to scientific methodology in psychology. Emphasis is placed on descriptive, experimental, and applied research. Students use the American Psychological Association writing style for empirical report writing. This course is intended for psychology majors and majors with components of the research process.</p> <p>FIELD TRIP REQUIREMENTS: Not required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC Transfer Course List.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Subject: Psychology (PSYC) Discipline: Psychology

<p>276 Field Work in Psychological Services 32 - 36 hours lecture, 48 - hours other, 3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> English 101 with a grade of "C" or better, or equivalent or Milestone R60 and W60. This supervised field experience course enables the student to be of service to the community while learning about the function of human care services. Emphasis is placed on providing students with the chance to explore the varied career choices in the field of psychology as well as on practical experience with basic helping skills in current social service situations. This course is intended for students who want to work with people in human care services.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa, City</p> <p>Action(s) Proposed: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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*Requires Board of Trustees approval prior to implementation
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**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>60 Venipuncture for Radiology</p> <p align="right">24 - 27 hours lab, 0.5 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Biology 160 with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course provides students with supervised training in venipuncture and meets the California Health and Safety Code requirements for venipuncture certificate. This course is for Radiologic Technology students and community Radiologic Technologists.</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>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>60 Venipuncture for Radiology</p> <p align="right">24 - 27 hours lab, 0.5 units Grade Only</p> <p>REQUISITES: <i>Advisory:</i> Biology 160 with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course provides students with supervised training in venipuncture and meets the California Health and Safety Code requirements for venipuncture certificate. This course is for Radiologic Technology students and community Radiologic Technologists.</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: Distance Learning - No Other Action</p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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*Requires Board of Trustees approval prior to implementation
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**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>86 Fluoroscopy and Radiation Safety</p> <p align="right">40 - 45 hours lecture, 2.5 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Radiologic Technology 240 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment: Special Admission - must be admitted to program.</i> <i>Limitation on Enrollment: This course is not open to students with previous credit for Radiologic Technology 85.</i> This is an advanced course in fluoroscopy and radiation protection for students enrolled in the Radiologic Technology program. Topics include fluoroscopy regulations and radiation safety, fluoroscopic equipment, image intensifiers, closed-circuit equipment, image recording and image recording equipment, special fluoroscopic equipment, mobile image intensified units, anatomy and physiology of the eye and three-dimensional and radiologic anatomy.</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>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 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>86L Fluoroscopy and Radiation Safety Laboratory</p> <p align="right">24 - 27 hours lab, 0.5 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in: Radiologic Technology 86 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 85L.</i> This course is for students enrolled in the Radiologic Technology program. Laboratory activities include, but not be limited to, 1) methods and safe practices to reduce radiation doses to patients and personnel in general and fluoroscopic procedures, 2) general and fluoroscopic image quality and recording, and 3) quality control procedures.</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> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>86L Fluoroscopy and Radiation Safety Laboratory</p> <p style="text-align: right;">24 - 27 hours lab, 0.5 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Radiologic Technology 86 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 85L. This course is for students enrolled in the Radiologic Technology program. Laboratory activities include, but not be limited to, 1) methods and safe practices to reduce radiation doses to patients and personnel in general and fluoroscopic procedures, 2) general and fluoroscopic image quality and recording, and 3) quality control procedures.</i></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: Distance Learning - No Other Action</p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>101 Basic Radiologic Technology</p> <p style="text-align: right;">32 - 36 hours lecture, 2 units Grade Only</p> <p>REQUISITES: <i>Advisory: English 101 with a grade of "C" or better, or equivalent or Milestone R60 and W60.</i> <i>Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 105. This is an introductory course for students in the Radiologic Technology program. Topics include the role and function of the radiographer, professional organizations, medicolegal principles, state and federal regulations, radiographic terminology, basic radiation production and radiation safety.</i></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 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>121 Radiographic Exposure</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 120A or Radiologic Technology 121A. This is a course for students in the Radiologic Technology program. Topics include the selection of proper exposure factors and accessories to obtain optimal image quality while reducing patient dose.</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 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>121C Radiographic Exposure Laboratory</p> <p align="right">48 - 54 hours lab, 1 units Grade Only</p> <p>REQUISITES: <i>Corequisite:</i> Completion of or concurrent enrollment in Radiologic Technology 121 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 Radiologic Technology 120B or Radiologic Technology 121L or Radiologic Technology 121B. This is a laboratory course for students in the Radiologic Technology program. Topics include radiation safety, selection of exposure factors, image processing and evaluation of image quality.</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: Distance Learning - No Other Action</p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>121C Radiographic Exposure Laboratory</p> <p align="right">48 - 54 hours lab, 1 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Radiologic Technology 121 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 120B or Radiologic Technology 121L or Radiologic Technology 121B.</i> This is a laboratory course for students in the Radiologic Technology program. Topics include radiation safety, selection of exposure factors, image processing and evaluation of image quality.</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>Outline of Topics</i> <i>Student Learning Objectives</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>131 Patient Care</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Radiologic Technology 190 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 130.</i> This is an introductory level course for students enrolled in the Radiologic Technology program. Topics include integrated patient care within the radiology department, physical and psychological needs of the patient, patient privacy laws, patient safety and assessment, routine and emergency patient care procedures, body mechanics with patient transfer, infection control, venipuncture assisting, use of contrast media, common drug nomenclature and basic concepts of pharmacology.</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 2021</p>
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*Requires Board of Trustees approval prior to implementation
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**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>190 Radiographic Positioning I</p> <p style="text-align: right;">16 - 18 hours lecture, 1 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Radiologic Technology 131 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 199. This is an introductory level lecture course for students enrolled in the Radiologic Technology program. Topics include radiographic positioning and image critique of the chest, abdomen, pelvis and extremities.</i></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 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>190L Radiographic Positioning-I Laboratory</p> <p style="text-align: right;">48 - 54 hours lab, 1 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in: Radiologic Technology 190 with a grade of "C" or better, or equivalent. Special Admission - must be admitted to program.</i> <i>Limitation on Enrollment: This course is not open to students with previous credit for Radiologic Technology 199.</i></p> <p>This is an introductory laboratory for students in the Radiologic Technology program. Topics include radiographic positioning and image critique of the chest, abdomen, pelvis and extremities.</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: Spring 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>192 Image Analysis for Radiologic Technology</p> <p style="text-align: right;">32 - 36 hours lecture, 2 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Radiologic Technology 256C and Radiologic Technology 110, each with a grade of "C" or better, or equivalent. Limitation on Enrollment: Special Admission - must be admitted to program.</i> This course is designed for students enrolled in the Radiologic Technology program. Topics include image analysis criteria for: chest and abdomen; upper extremity; shoulder; lower extremity; pelvis, hip and sacroiliac joints; cervical and thoracic vertebrae; sternum and ribs; lumbar, sacral and coccyx vertebrae; some cranium, facial bones and paranasal sinuses; and digestive system.</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></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Radiologic Technology (Radiologic Technology) Discipline: Radiological Technology

<p>201 Radiographic Positioning II</p> <p style="text-align: right;">16 - 18 hours lecture, 1 units Grade Only</p> <p>REQUISITES: <i>Prerequisite: Radiologic Technology 190 with a grade of "C" or better, or equivalent. Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 200. This is an intermediate course for students in the Radiologic Technology program. Course topics include radiographic positioning and image critique of the vertebral column, as well as shoulder girdle, bony thorax and some advanced and/or uncommon orthopedic views of extremities and pelvis.</i></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 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>201L Radiographic Positioning II Laboratory</p> <p style="text-align: right;">48 - 54 hours lab, 1 unit Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Radiologic Technology 201 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 200. This is an intermediate laboratory course for students in the Radiologic Technology program. Course topics include radiographic positioning and image critique of the vertebral column, as well as shoulder girdle, bony thorax and some advanced and/or uncommon orthopedic views of extremities and pelvis.</i></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 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>210 Radiographic Positioning III</p> <p style="text-align: right;">16 - 18 hours lecture, 1 units Grade Only</p> <p>REQUISITES: <i>Prerequisite: Radiologic Technology 201 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 211. This is an advanced course for students in the Radiologic Technology program. Course topics include radiographic positioning and image critique of cranial structures and contrast media examinations of the gastrointestinal, urinary, musculoskeletal, reproductive, vascular and central nervous systems. Mobile and trauma procedures are also discussed.</i></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 2021</p>
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>210L Radiographic Positioning III Lab</p> <p align="right">48 - 54 hours lab, 1 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Radiologic Technology 210 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 211. This is an advanced course for students in the Radiologic Technology program. Course topics include laboratory radiographic simulation and image critique of cranial structures and contrast media examinations of the gastrointestinal, urinary, musculoskeletal, reproductive, vascular and central nervous systems. Mobile and trauma procedures are also discussed.</i></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) Six Year Review Texts</p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>210L Radiographic Positioning III Lab</p> <p align="right">48 - 54 hours lab, 1 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in: Radiologic Technology 210 with a grade of "C" or better, or equivalent</i> <i>Limitation on Enrollment: Special Admission - must be admitted to program.</i> <i>Limitation on Enrollment: This course is not open to students with previous credit for Radiologic Technology 211.</i> This is an advanced course for students in the Radiologic Technology program. Course topics include laboratory radiographic simulation and image critique of cranial structures and contrast media examinations of the gastrointestinal, urinary, musculoskeletal, reproductive, vascular and central nervous systems. Mobile and trauma procedures are also discussed.</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: Distance Learning - No Other Action</p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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*Requires Board of Trustees approval prior to implementation
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**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>221 Advanced Imaging Techniques</p> <p align="right">32 - 36 hours lecture, 2 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Radiologic Technology 121 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 220. This is an advanced level course for students in the Radiologic Technology program. Topics include radiographic digital imaging, quality control and quality assurance, as well as introductory concepts in advanced imaging modalities, including Computed Tomography (CT), Magnetic Resonance (MR), Cardiac Interventional (CI), Vascular Interventional (VI), Ultrasound (US), Nuclear Medicine (NM) and Dual Energy X-ray Absorptiometry (DEXA).</i></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 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>231 Pathology for Imaging Sciences</p> <p align="right">32 - 36 hours lecture, 2 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Radiologic Technology 210 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment: Special Admission - must be admitted to program. This is an advanced course for students in the Radiologic Technology Program. Topics include: Pathologic Processes and Imaging Strategies for the Skeletal, Respiratory, Gastrointestinal, Hepatobiliary, Urinary, Reproductive, Circulatory, Nervous and Endocrine Systems. Contrast media selection and use for pathologic visualization is also discussed. This course is designed for students admitted into the Radiologic Technology program.</i></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 2021</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCCCO submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>240 Radiation Biology</p> <p align="right">16 - 18 hours lecture, 1 units Grade Only</p> <p>REQUISITES: <i>Corequisite:</i> Radiologic Technology 230. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course includes an overview of the principles of the interaction of radiation with living systems. Radiation effects on molecules, cells, tissues and the body as a whole are presented. Factors affecting biological responses are also presented, including acute and chronic effects of radiation. This course is for students enrolled in the Radiologic Technology program.</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> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>241 Sectional Anatomy</p> <p align="right">16 - 18 hours lecture, 1 units Grade Only</p> <p>REQUISITES: <i>Corequisite:</i> Radiologic Technology 275. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This is an advanced course for students in the Radiologic Technology program. Topics include differentiation of head, neck, thorax, abdomen, pelvis and extremity anatomy demonstrated on sectional images from various imaging modalities.</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> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>242 Organization of Radiology</p> <p align="right">16 - 18 hours lecture, 1 units Grade Only</p> <p>REQUISITES: <i>Corequisite:</i> Radiologic Technology 257C. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This is an advanced level course for students in the Radiologic Technology program. Emphasis is placed on radiologic technologist responsibilities, compliance, imaging advancements and certifications.</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> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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*Requires Board of Trustees approval prior to implementation
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**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>256A Directed Clinical Practice I</p> <p align="right">240 – 270 hours other, 5 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Radiologic Technology 131, Radiologic Technology 190, and Radiologic Technology 190L, each with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 251A or Radiologic Technology 254A.</i> This is a beginning level course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include basic patient and radiographic care, medical ethics and safety, and effective healthcare communication. Exam competency focuses on basic exposure principles and radiographic procedures of the chest, thorax, abdomen, pelvis and extremities. Supervision is shared by the staff of the clinical education center and college faculty.</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 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>256B Directed Clinical Practice II</p> <p align="right">360 - hours other, 7.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite: Radiologic Technology 256A with a grade of "C" or better, or equivalent</i> <i>Corequisite: Completion of or concurrent enrollment in Radiologic Technology 121, Radiologic Technology 121C, Radiologic Technology 201, and Radiologic Technology 201L, each with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 251C, Radiologic Technology 251B, or Radiologic Technology 254B.</i> This is a course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include increased skills in patient and radiographic care, medical ethics and safety, and effective healthcare communication. Exam competency focuses on basic exposure principles and radiographic procedures of the spine and fluoroscopic procedures of the gastrointestinal, urinary and biliary systems. Supervision is shared by the staff of the clinical education center and college faculty.</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: Distance Learning - No Other Action</p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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*Requires Board of Trustees approval prior to implementation
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**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>256B Directed Clinical Practice II</p> <p align="right">360 – 405 hours other, 7.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Radiologic Technology 256A with a grade of "C" or better, or equivalent <i>Corequisite:</i> Completion of or concurrent enrollment in Radiologic Technology 121, Radiologic Technology 121C, Radiologic Technology 201, and Radiologic Technology 201L, 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 Radiologic Technology 251C, Radiologic Technology 251B, or Radiologic Technology 254B. This is a course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include increased skills in patient and radiographic care, medical ethics and safety, and effective healthcare communication. Exam competency focuses on basic exposure principles and radiographic procedures of the spine and fluoroscopic procedures of the gastrointestinal, urinary and biliary systems. Supervision is shared by the staff of the clinical education center and college faculty.</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 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>256C Directed Clinical Practice III</p> <p align="right">288 – 324 hours other, 6 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Radiologic Technology 256B with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Completion of or concurrent enrollment in Radiologic Technology 192 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 Radiologic Technology 252A or Radiologic Technology 254C. This is an intermediate course for students in the Radiologic Technology program. Course material provides students with supervised clinical training at a District clinical affiliate. Topics include the advancement of patient care and radiographic skills while employing appropriate medical ethics and safety and effective healthcare communication. Supervision is shared by the staff of the clinical education center and college faculty.</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 2021</p>
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*Requires Board of Trustees approval prior to implementation
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**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>257A Directed Clinical Practice IV</p> <p align="right">360 – 405 hours other, 7.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Radiologic Technology 256C with a grade of "C" or better, or equivalent <i>Corequisite:</i> Completion of or concurrent enrollment in Radiologic Technology 210, Radiologic Technology 210L, Radiologic Technology 221, Radiologic Technology 230, and Radiologic Technology 231, 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 Radiologic Technology 252B or Radiologic Technology 255A. This is an advanced course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include the advancement of skills in patient care and radiographic skills while employing appropriate medical ethics, safety and effective healthcare communication. Exam competency focuses on radiographic procedures of cranio-facial structures and fluoroscopic examinations of the musculoskeletal, reproductive, vascular and central nervous systems. Supervision is shared by the staff of the clinical education center and college faculty.</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 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>257B Directed Clinical Practice V</p> <p align="right">360 – 405 hours other, 7.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Radiologic Technology 257A with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Completion of or concurrent enrollment in Radiologic Technology 86, Radiologic Technology 86L, Radiologic Technology 240, Radiologic Technology 241, and Radiologic Technology 275, 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 Radiologic Technology 253A or Radiologic Technology 255B. This is an advanced course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include the advancement of skills in patient and radiographic care while employing appropriate medical ethics, safety and effective healthcare communication. Exam competency focuses on trauma, pediatric, operative and mobile radiographic procedures. Supervision is shared by the staff of the clinical education center and college faculty.</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 2021</p>
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**Curriculum Instructional Council
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>257B Directed Clinical Practice V</p> <p align="right">360 – 405 hours other, 7.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Radiologic Technology 257A with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Completion of or concurrent enrollment in Radiologic Technology 86, Radiologic Technology 86L, Radiologic Technology 240, Radiologic Technology 241, and Radiologic Technology 275, 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 Radiologic Technology 253A or Radiologic Technology 255B. This is an advanced course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include the advancement of skills in patient and radiographic care while employing appropriate medical ethics, safety and effective healthcare communication. Exam competency focuses on trauma, pediatric, operative and mobile radiographic procedures. Supervision is shared by the staff of the clinical education center and college faculty.</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: Distance Learning - No Other Action</p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>257C Directed Clinical Practice VI</p> <p align="right">288 – 324 hours other, 6 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Radiologic Technology 257B 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 Radiologic Technology 253B or Radiologic Technology 255C. This is an advanced course for students in the Radiologic Technology program. This course provides students with supervised clinical training at a District clinical affiliate. Topics include the advancement of skills in patient and radiographic care while employing appropriate medical ethics and safety, as well as effective healthcare communication. Supervision is shared by the staff of the clinical education center and college faculty.</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) Six Year Review <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>257D Directed Clinical Practice Computed Tomography 288 – 324 hours other, 6 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Radiologic Technology 275 with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is for clinical rotations in computed tomography in one of our affiliate hospitals. This course introduces Radiologic Technology students to the clinical environment in computed tomography.</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>Supplies</i> <i>Texts</i></p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>257D Directed Clinical Practice Computed Tomography 288 – 324 hours other, 6 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Radiologic Technology 275 with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is for clinical rotations in computed tomography in one of our affiliate hospitals. This course will introduce the student to the clinical environment in computed tomography.</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: Distance Learning - No Other Action</p> <p>Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>271 Digital Mammography</p> <p align="right">32 - 36 hours lecture, 2 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Radiologic Technology 210 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Radiologic Technology 248 or Radiologic Technology 249. Special Admission - must be admitted to program. This is an advanced course for the students in the Radiologic Technology program. Topics include basic principles of mammography and clinical application in diagnosing breast disease. Emphasis is placed on developing appropriate care and communication in mammography, image quality, and correct film and digital processing parameters.</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 2021</p>
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>271L Digital Mammography Laboratory</p> <p align="right">24 - 27 hours lab, 0.5 units Grade Only</p> <p>REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in: Radiologic Technology 271 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 249. This is a course for mammography students to have experience with Quality Assurance (QA) and Quality Control (QC) of mammography equipment. This course provides hands on training of breast tissue to the required views needed in the clinical setting.</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 2021</p>
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**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

271L Digital Mammography Laboratory 24 - 27 hours lab, 0.5 units Grade Only REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in: Radiologic Technology 271 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for Radiologic Technology 249. This is a course for mammography students to have experience with Quality Assurance (QA) and Quality Control (QC) of mammography equipment. This course provides hands on training of breast tissue to the required views needed in the clinical setting.</i> FIELD TRIP REQUIREMENTS: May be required TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.	Offered At: Mesa Action(s) Proposed: Distance Learning - No Other Action Approved Proposed for College(s): Mesa Originating Campus: MESA Dist. Ed Proposed For College(s): Mesa Effective: Spring 2021
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Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

275 Computed Tomography Imaging 32 - 36 hours lecture, 2 units Grade Only REQUISITES: <i>Corequisite: Completion of or concurrent enrollment in Radiologic Technology 241 with a grade of "C" or better, or equivalent.</i> <i>Limitation on Enrollment: This course is not open to students with previous credit for Radiologic Technology 246. Special Admission - must be admitted to program. This is a course for radiologic technology students to study the imaging modality of Computed Tomography (CT). The underlying physical principles, imaging method, instrumentation, imaging manipulation and clinical use of the modality in diagnostic imaging are explored.</i> FIELD TRIP REQUIREMENTS: May be required TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.	Offered At: Mesa Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Texts</i> Approved Proposed for College(s): Mesa Originating Campus: MESA Effective: Fall 2021
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*Requires Board of Trustees approval prior to implementation
~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Radiologic Technology (RADT) Discipline: Radiological Technology

<p>275L Computed Tomography Imaging Laboratory</p> <p align="right">24 - 27 hours lab, 0.5 units Grade Only</p> <p>REQUISITES: <i>Corequisite:</i> Radiologic Technology 275. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Radiologic Technology 246. This is a course for radiologic technology students to study the imaging modality of Computed Tomography (CT). The underlying physical principles, imaging method, instrumentation, imaging manipulation and clinical use of the modality in diagnostic imaging are explored. This course also provides CT experience with software, planning and implementation of scanning protocols along with quality control.</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 2021</p>
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Subject: Spanish (SPAN) Discipline: Foreign Languages

<p>290 Independent Study in Spanish</p> <p align="right">48 - 162 hours other, 1-3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Obtain Permission Number from Instructor. This course is designed for intermediate students who wish to work on special projects and to further develop their communication skills in Spanish. It is not intended to replace an existing course in the discipline. In this course students have a written contract with their instructor for activities such as: preparing problem analyses, 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, Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Methods of Instruction</i> <i>Reading Assignments</i></p> <p>Approved</p> <p>Proposed for College(s): City, Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Fall 2021</p>
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 ~Course requires CCCC submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Veterinary Technology (VTAH) Discipline: Registered Veterinary Technician

<p>100B Advanced Animal Care and Management</p> <p align="right">72 - 81 hours lab, 1.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Veterinary Technology 100A with a grade of "C" or better, or equivalent <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Animal Health Technology 100B. This course provides Animal Health Technology students with significant responsibility in the resident animal care and advanced techniques in the general husbandry of many animal species. Students learn and practice "essential" and "recommended" tasks as required by the American Veterinary Medical Association and the California Veterinary Medical Board Knowledge, Skills and Abilities Tasks List. These tasks include advanced methods of housing or caging, nutrition and feeding, sanitation and hygiene in an animal setting, and handling and restraint of the various species. Students are actively involved in the daily care of the program's resident animals. Students supervise student teams assigned in a rotation schedule. Applicable veterinary medical and animal husbandry terminology is included.</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: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Subject: Veterinary Technology (VTAH) Discipline: Registered Veterinary Technician

<p>125 Veterinary Clinical Pathology</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Veterinary Technology 140 with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Veterinary Technology 125L. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Animal Health Technology 125. This course provides Animal Health Technology students with an introduction to the clinical examination of blood, urine, feces, dermal, and other commonly analyzed samples found in the veterinary field. Topics include: the safe and proper collection of diverse samples, the safe and proper handling of samples, the various methods of sample analysis, and the significance of normal and abnormal results. The identification, life cycle, and clinical importance of ectoparasites, endoparasites, and fungal parasites are discussed. Appropriate stains, reagents, and terminology are included.</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: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Veterinary Technology (VTAH) Discipline: Registered Veterinary Technician

<p>125L Veterinary Clinical Pathology Laboratory</p> <p align="right">96 - 108 hours lab, 2 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Veterinary Technology 140 with a grade of "C" or better, or equivalent <i>Corequisite:</i> Veterinary Technology 125. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Animal Health Technology 125L. This clinical pathology laboratory course is designed to provide Animal Health Technology students with the opportunity to practice the principles and procedures of clinical pathology. Techniques for the safe and proper collection, handling, and storage of blood, urine, fecal, ear, vaginal, milk, and skin samples in various species are introduced and practiced by the student. Students perform analytical tests appropriate for each sample type and evaluate the results. Safe operation and proper maintenance of laboratory equipment commonly used in the veterinary field is stressed. Appropriate veterinary medical terminology is presented.</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: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Subject: Veterinary Technology (VTAH) Discipline: Registered Veterinary Technician

<p>205 Diseases of Domestic Animals</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Veterinary Technology 145 with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Veterinary Technology 125. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Animal Health Technology 205. This course provides Animal Health Technology students with an introduction to infectious, non-infectious, and zoonotic diseases and conditions of domestic animals. Material covered includes the etiology, pathogenesis, pathophysiology, and clinical signs of each disease. This course also details any disease/condition-specific nursing care, treatments or diagnostic test methods. Appropriate veterinary medical terminology is included.</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: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Veterinary Technology (VTAH) Discipline: Registered Veterinary Technician

<p>215 Veterinary Radiography</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Veterinary Technology 135 with a grade of "C" or better, or equivalent & Veterinary Technology 145 with a grade of "C" or better, or equivalent. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Animal Health Technology 215. This course introduces the Animal Health Technician student to the use of radiography and role of radiography and other imaging modalities in the veterinary medical fields. Topics include radiation, x-ray beam production, intensifying screens, cassettes, grid usage, latent and visible image formation, film processing, alternative imaging methods, and legal requirements. Protocols for commonly used radiographic studies and introductory radiographic film interpretation are included. Special emphasis is placed on radiation safety for the patient and all personnel. Also included is the proper use and maintenance of all veterinary radiographic and processing equipment. Appropriate imaging terminology is included.</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: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Subject: Veterinary Technology (VTAH) Discipline: Registered Veterinary Technician

<p>215L Veterinary Radiography Laboratory</p> <p align="right">48 - 54 hours lab, 1 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Veterinary Technology 145 with a grade of "C" or better, or equivalent <i>Corequisite:</i> Veterinary Technology 215. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Animal Health Technology 215L. This course is designed to provide the Animal Health Technology students with the opportunity to practice the concepts of radiology. The students utilize established veterinary positioning and technical protocols. They expose and process radiographs to develop a technique chart for commonly used veterinary radiographic studies, including contrast studies. The students also practice radiographic film evaluation techniques, radiation log production, and radiographic equipment maintenance. Darkroom procedures and practices that prevent artifacts are employed including equipment maintenance. An introduction to performing an ultrasound abdominal exam is provided including handling and maintenance of the equipment. Also included is an introduction to digital dental exam, including handling and maintenance of the equipment. Procedures and protocols for radiation safety of patient, handler, and equipment are stressed. Appropriate veterinary imaging terminology is included.</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: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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*Requires Board of Trustees approval prior to implementation
 ~Course requires CCCCCO submission

**Curriculum Instructional Council
Actions Approved – October 22, 2020**

Subject: Veterinary Technology (VTAH) Discipline: Registered Veterinary Technician

<p>260 Laboratory Animal Medicine</p> <p align="right">32 - 36 hours lecture, 2 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Veterinary Technology 225 with a grade of "C" or better, or equivalent <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Animal Health Technology 250, Animal Health Technology 255 or Animal Health Technology 260. This lecture course is designed for the Animal Health Technology student. The course covers the use of animals in biomedical research with an emphasis on common laboratory species, animal welfare legislation and the philosophy of laboratory animal management. The course includes handling, restraint, husbandry, care and observation of laboratory species. Methods and procedures involved in laboratory animal breeding, injections, anesthesia, sample collection, medicating, nutrition, euthanasia and necropsy are also covered. Appropriate terminology is included.</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: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Subject: Veterinary Technology (VTAH) Discipline: Registered Veterinary Technician

<p>260L Laboratory Animals Medicine Laboratory</p> <p align="right">24 - 27 hours lab, 0.5 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Veterinary Technology 125L with a grade of "C" or better, or equivalent or Veterinary Technology 225 with a grade of "C" or better, or equivalent. <i>Corequisite:</i> Veterinary Technology 260. <i>Limitation on Enrollment:</i> Special Admission - must be admitted to program. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Animal Health Technology 250, Animal Health Technology 255L or Animal Health Technology 260L. This course is designed to provide the Animal Health Technology student with the opportunity to practice the procedures and techniques of safe and proper animal restraint, anesthesia, injection techniques, and sample collection. Students also perform tattooing, ear notching and other procedures commonly utilized in the research setting. Students are required to perform a necropsy following established guidelines. Appropriate veterinary and research terminology is included.</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: Distance Learning - No Other Action Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Dist. Ed Proposed For College(s): Mesa</p> <p>Effective: Spring 2021</p>
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Approved

**Curriculum Instructional Council
Actions Approved – October 22, 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.)

*Interdisciplinary Studies

Program Revision- *Approved*

Sustainability- Miramar, PID 4154: Effective Fall 2021

Sustainability Certificate of Performance

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