

**Curriculum Instructional Council
Actions Approved – March 24, 2016**

Subject: Biology (BIOL) Discipline: Biological Sciences

<p>111 Cancer Biology</p> <p align="right">48 - 54 hours lecture, 3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> English for Speakers of Other Languages 45 or English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5. <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for Biology 123. This is an introductory course that examines the basic biology of cancer and the approaches currently taken in cancer treatment. Basic principles of cell biology and genetics are explored to unravel the mechanisms of cancer development and the development of effective cancer therapeutics and preventative measures. The course emphasizes the process of scientific inquiry to illustrate how cancer biologists gather and analyze data in order to better understand and treat this disease, estimated to be the number two killer in the US. The course is intended for all that want to learn about the types of cancer, causes of cancer, treatments of cancer, and the social impact of this disease on patients, families, and society.</p> <p>FIELD TRIP REQUIREMENTS: Required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC Transfer Course List. CSU General Education.</p>	<p>Offered At: City</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Advisory (New)</i> <i>Course Description</i> <i>Methods of Instruction</i> <i>Outline of Topics</i> <i>Texts</i> Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2017</p>
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Subject: Geographic Information Systems (GISG) Discipline: Computer Service Technology

<p>111 Geographic Information Systems and Cartography</p> <p align="right">40 - 45 hours lecture, 24 - 27 hours lab, 3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Prerequisite:</i> Geographic Information Systems 110 with a grade of "C" or better, or equivalent. This course is designed for students who possess a basic background in Geographic Information Systems (GIS). Learning in this course focuses on cartographic principles of map design, production, and evaluation through the application of hands-on activities using ArcGIS software. Topics covered include data acquisition methods used in map production (Global Positioning Systems/GPS, scanning, and georeferencing of data); spatial analysis techniques (using geoprocessing); and GIS project planning techniques. Cartographic tools and enhancements such as map layout, symbology, and labeling are emphasized. Students will apply project management skills to a class project.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU.</p>	<p>Offered At: Mesa</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Texts</i> Approved</p> <p>Proposed for College(s): Mesa</p> <p>Originating Campus: MESA</p> <p>Effective: Spring 2017</p>
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Subject: Geographic Information Systems (GISG) Discipline: Computer Service Technology

<p>112 Spatial Analysis with Geographic Information Systems 40 - 45 hours lecture, 24 - 27 hours lab, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Geographic Information Systems 111 with a grade of "C" or better, or equivalent. <i>Advisory:</i> Mathematics 96 with a grade of "C" or better, or equivalent or Assessment Skill Level M50. This course teaches intermediate geographic information systems (GIS) concepts and spatial analysis techniques, focusing on raster data and surfaces. Emphasis is placed on hands-on exercises using GIS software and on the functionality of GIS as an effective tool for modeling and analyzing complex GIS surfaces. This course is intended for students earning a certificate or degree in GIS and/or for GIS professionals who wish to gain more experience with spatial analysis and working with raster data for both 2D and 3D surfaces.</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 2017</p>
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Subject: Geographic Information Systems (GISG) Discipline: Computer Service Technology

<p>114 Spatial Databases in Geographic Information Systems 40 - 45 hours lecture, 24 - 27 hours lab, 3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Prerequisite:</i> Geographic Information Systems 111 with a grade of "C" or better, or equivalent. This course focuses on the development and application of spatial database models and processing techniques. Students of Geographic Information Systems (GIS) who wish to gain exposure to emerging data structures and methods via problem-based learning benefit from this course. The course deals with conceptual issues in spatial database development, analysis, display, and designing and creating spatial databases. Students work with a variety of GIS data types and edit GIS data within the geodatabase environment, with emphasis on real-world applications. The class project focuses on the design, creation and use of a geodatabase to solve a problem.</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: Spring 2017</p>
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Subject: Library Science (LIBS) Discipline: Library Science Tabled for review at the 04/14/16 CIC meeting

<p>101 Information Literacy and Research Skills</p> <p align="right">16 - 18 hours lecture, 1 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Advisory:</i> English 47A or English 48 and English 49, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R5 and W5; or English 37A, English 37B or English 64, each with a grade of "C" or better, or equivalent. This course is an overview of information resources and the skills required to use them effectively. Students learn how to use library resources such as electronic indexes and databases, online services, and the Internet, as well as to develop strategies for conducting research. This course is intended for students who wish to acquire research skills for academic, career, or personal use.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC Transfer Course List.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review Advisory (New) Course Description Texts</i></p> <p>Proposed for College(s): City, Mesa, Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2017</p> <p>Tabled for review at the 04/14/16 CIC meeting</p>
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Subject: Mathematics (MATH)

<p>~210A Concepts of Elementary School Mathematics I</p> <p align="right">48 - 54 hours lecture, 3 units Grade Only</p> <p>REQUISITES: <i>Prerequisite:</i> Mathematics 96 with a grade of "C" or better, or equivalent or Assessment Skill Level M50. <i>Advisory:</i> English 101 or English 105, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6. This course is a study of the mathematical concepts needed for teaching elementary school mathematics with emphasis on number and function. This course promotes an appreciation of the importance of logical thinking and applications of mathematics in problem solving and critical thinking. It studies the basic computational skills, but also requires the understanding and explanation of the basic mathematical concepts and the connections between them. It is designed especially for students preparing for credentials in elementary education. Analytical reading and problem solving are required for success in this course.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC Transfer Course List. CSU General Education.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Course Deactivation *(Active at another College)*</p> <p>Approved</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2017</p>
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Curriculum Instructional Council Actions Approved – March 24, 2016

Subject: Nursing Education (NRSE) Discipline: Nursing

<p>290 Independent Study</p> <p style="text-align: right;">48 - 162 hours other, 1-3 units Pass/No Pass</p> <p>REQUISITES: <i>Limitation on Enrollment:</i> Must obtain an Add Code from Program Director for registration. This course provides students with an opportunity for additional academic and / or clinical experience in a particular area of nursing.</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 Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Critical Thinking Assignment</i> <i>Field Trip</i> <i>Methods of Evaluation</i> <i>Methods of Instruction</i> <i>Outline of Topics</i> <i>Reading Assignments</i> <i>Supplies</i> <i>Writing Assignments</i> Approved</p> <p>Proposed for College(s): City</p> <p>Originating Campus: CITY</p> <p>Effective: Fall 2017</p>
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Subject: Philosophy (PHIL)

<p>102A Introduction To Philosophy: Reality and Knowledge</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 or English 105, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6. This course is an introductory study of the aims, methods, types and problems of philosophy and philosophical inquiry. Emphasis is placed on the nature of reality and knowledge. Materials for this survey of philosophy may draw from classical and contemporary thinkers. Students are encouraged to articulate, analyze, and evaluate their own beliefs/positions in the context of meaningful philosophical inquiry. This course is intended for anyone concerned with human existence and humanity's place in the universe.</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 Reviewed</p> <p>Proposed for College(s): Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Dist. Ed Proposed For College(s): Miramar</p> <p>Effective: Fall 2016</p>
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Subject: Spanish (SPAN) Discipline: Foreign Languages

<p>210 Conversation and Composition Spanish I</p> <p style="text-align: right;">48 - 54 hours lecture, 3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Prerequisite:</i> Spanish 102 with a grade of "C" or better, or equivalent. This course further develops oral comprehension and fluency as well as written communication at a mid-intermediate level in Spanish through culturally relevant materials. Students increase vocabulary, dramatize everyday topics of conversation, interpret and describe materials, and compare and contrast Latin American and Spanish cultures with U.S. culture both orally and in writing. Writing strategies are emphasized and literature is introduced. This course is intended for students who want to enhance their skills in the Spanish language.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC Transfer Course List.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Critical Thinking Assignment</i> <i>Methods of Evaluation</i> <i>Methods of Instruction</i> <i>Outside Assignments</i> <i>Reading Assignments</i> <i>Student Learning Objectives</i> <i>Texts</i> <i>Writing Assignments</i> Approved</p> <p>Proposed for College(s): City, Mesa, Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Spring 2017</p>
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Subject: Spanish (SPAN) Discipline: Foreign Languages

<p>211 Conversation and Composition Spanish II</p> <p style="text-align: right;">48 - 54 hours lecture, 3 units Letter Grade or Pass/No Pass Option</p> <p>REQUISITES: <i>Prerequisite:</i> Spanish 210 with a grade of "C" or better, or equivalent. This course further develops oral comprehension and fluency as well as written communication at an advanced-intermediate level in Spanish through culturally relevant materials. Students further increase vocabulary; dramatize everyday topics of conversation; interpret and describe materials; and compare and contrast Latin American and Spanish cultures with U.S. culture both orally and in writing. Pre-reading strategies introduced in the prerequisite course are used as a basis upon which to build course emphasis in reading. In addition, more literature is introduced. This course is intended for students who want to further enhance their skills in Spanish.</p> <p>FIELD TRIP REQUIREMENTS: May be required</p> <p>TRANSFER APPLICABILITY: Associate Degree Credit & transfer to CSU. UC Transfer Course List.</p>	<p>Offered At: City, Mesa, Miramar</p> <p>Action(s) Proposed: Course Revision (May Include Activation) <i>Six Year Review</i> <i>Course Description</i> <i>Outline of Topics</i> <i>Outside Assignments</i> <i>Reading Assignments</i> <i>Texts</i> <i>Writing Assignments</i> Approved</p> <p>Proposed for College(s): City, Mesa, Miramar</p> <p>Originating Campus: MIRAMAR</p> <p>Effective: Fall 2017</p>
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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.)

*Child Development

Program Revision- *Approved*

Child Development- Miramar PID 3210: Effective Fall 2017

Human Development Studies Associate of Arts

*Child Development

Program Revision- *Approved*

Child Development-Miramar PID 3211: Effective Fall 2017

Master Teacher Certificate of Achievement