

See proposal Impact (PI) reports to view list of courses and/or programs that may be impacted by the following proposed actions

**Art-Fine Art (ARTF)**

**Action(s) Approved**

<p><b>109 Nineteenth and Twentieth Century Art</b></p> <p style="text-align: right;"><b>3 hours lecture, 3 units</b>  <b>Letter Grade or Credit/No Credit Option</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> ARTF 110 and ARTF 111, each with a grade of "C" or better, or equivalent. This course is designed not only for art students but also for those who are interested in history, humanities, teaching, travel and cultural enrichment. It is an introductory survey of the visual arts that are most relevant to an understanding of western civilization in the 19th and 20th centuries. It includes major monuments and representative art works from Europe, Russia and the Americas.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities, UC Transfer Course List CSU, General Education and IGETC.</p> <p><b>CAN DATA:</b> NONE</p>	<p><b>Offered At:</b> City, Mesa</p> <p><b>Action(s) Proposed:</b> Course Activation (Currently active at another college) <i>Approved</i></p> <p><b>Proposed For College(s):</b> Miramar</p> <p><b>Originating Campus:</b> Miramar</p> <p><b>Effective:</b> Spring 2006</p> <p><i>This course has been proposed at Miramar for IGETC, Area 3A, (Arts and Humanities - Arts); CSU General Education, C1, Area C (Arts, Literature, Philosophy, and Foreign Languages – Arts, Dance, Music, Theater); District General Education, C (Humanities), UC Transfer.</i></p>
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**Art-Fine Art (ARTF)**

<p><b>113 African, Oceanic, and Native American Art</b></p> <p style="text-align: right;"><b>3 hours lecture, 3 units</b>  <b>Letter Grade or Credit/No Credit Option</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> ENGL 051 &amp; ENGL 056, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5/R5. This course is an introduction to the art of selected peoples of Africa, Oceania, and Native North America, stressing their cultural wealth and diversity. The course introduces specific groups from each of these areas of the world and focuses on the differing roles of the visual arts within each culture. The historical depth and religious, economic, or political orientation of each art tradition is explored so that the student is introduced to the complexity of this field of study. This course is designed for art majors who are interested in non-western cultures as well as for students from a variety of backgrounds and disciplines, including history, ethnic studies, humanities, and education.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities, IGETC, CSU General Education, and UC Transfer Course List.</p> <p><b>CAN DATA:</b> NONE</p>	<p><b>Offered At:</b> Mesa</p> <p><b>Action(s) Proposed:</b> Course Activation (Currently active at another college) <i>Approved</i></p> <p><b>Proposed For College(s):</b> Miramar</p> <p><b>Originating Campus:</b> Miramar</p> <p><b>Effective:</b> Spring 2006</p> <p><i>This course has been proposed at Miramar for IGETC, Area 3A, (Arts and Humanities - Arts); CSU General Education, C1, Area C (Arts, Literature, Philosophy, and Foreign Languages – Arts, Dance, Music, Theater); District General Education, C, (Humanities), UC Transfer .</i></p> <p><i>To be reviewed at the May 25, 2006 CIC meeting.</i></p>
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**Biology (BIOL)**

<p><b>107 General Biology-Lecture and Laboratory</b>  <b>3 hours lecture, 3 hours lab, 4 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> ENGL 051 &amp; ENGL 056 &amp; MATH 095, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5/R5/M40.  <i>Limitation on Enrollment:</i> This course is not open to students with previous credit for BIOL 103, 104, 105 &amp; 106, 210A, or 210B.                  This course is an examination of living organisms and their environment. The lecture and laboratory are intended for students planning on taking more advanced courses in the Life Sciences, or students majoring in Education, Child Development, Physiological Psychology or related areas. Topics that are emphasized in this course include the fundamental chemical and physical processes common to all living organisms, the interactions between organisms and their environment, classical and molecular genetics, metabolism, plant and animal anatomy and physiology, animal behavior, evolution, cellular and molecular biology, and the experimental and cognitive processes used to examine these fields.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities, CSU General Education, IGETC, and UC Transfer Course List.</p> <p><b>CAN DATA:</b> CAN BIOL SEQ A (Mesa) BIOL 2 (City, Mesa)</p>	<p><b>Offered At:</b> Mesa, City</p> <p><b>Action(s) Proposed:</b> Course Activation (Currently active at another college) <i>Approved</i></p> <p><b>Proposed For College(s):</b> Miramar</p> <p><b>Originating Campus:</b> Miramar</p> <p><b>Effective:</b> Fall 2006</p> <p><i>This course has been proposed at Miramar for IGETC, Area 5B, (Physical and Biological Sciences – Biological Science Courses); CSU General Education, B2, Area B (Physical Universe and its Life Forms- Life Science) and B3, Area B (Physical Universe and its Life Forms- Laboratory Activity) ; District General Education, B1, (Natural Sciences – Life Sciences), UC Transfer.</i></p>
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**Business (BUSE)**

<p><b>119 Business Communications</b>  <b>3 hours lecture, 3 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> ENGL 051 &amp; ENGL 056, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5/R5 or BUSE 092 with a grade of "C" or better, or equivalent.                  This course introduces students to the principles of effective business communications. Students experience the broad development of and the ability to analyze, organize, and compose various types of written and oral business communications. Students develop clear, concise, and persuasive letters, memorandums, and reports.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities.</p> <p><b>CAN DATA:</b> NONE</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Distance Learning - No Other Action <i>Reviewed</i></p> <p><b>Originating Campus:</b> City</p> <p><b>Dist. Ed Offered At College(s):</b> Miramar, Mesa</p> <p><b>Effective:</b> Spring 2006</p>
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**Chicano Studies (CHIC)**

<p><b>138 Literature of La Raza in Latin America in Translation</b>                  3 hours lecture, 3 units                  Letter Grade or Credit/No Credit Option</p> <p><b>REQUISITES:</b>  <i>Advisory:</i> ENGL 042 &amp; ENGL 043, each with a grade of "C" or better, or equivalent or Assessment Skill Levels R4/W4.                  A survey of the novels, short stories, poetry and major Latin American writers, from the end of the Colonial Period to the present. Emphasis will be given to major contemporary authors reflecting the universality of Mestizo (Raza) masterpieces. This course is for all students with an interest in the study of Latin American literature.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities, IGETC, UC Transfer Course List, and CSU General Education.</p> <p><b>CAN DATA:</b> NONE</p>	<p><b>Offered At:</b> City, Mesa</p> <p><b>Action(s) Proposed:</b>                  Course Integration (Including Activation)                  Course Description                  Critical Thinking                  Method of Instruction                  Outline of Topics                  Outside assignments                  Reading assignments                  Texts/Supplies                  Writing assignments  <i>Approved</i></p> <p><b>Proposed For College(s):</b> Mesa, City</p> <p><b>Originating Campus:</b> Mesa</p> <p><b>Effective:</b> Spring 2006</p>
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**Computer And Information Sciences (CISC)**

<p><b>*071 Intro to Embedded Computer Programming and Design</b>                  3 hours lecture, 3 hours lab, 4 units                  Grade Only</p> <p><b>REQUISITES:</b>  <i>Advisory:</i> ENGL 051 &amp; ENGL 056, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5/R5.                  This course introduces students to programming and interfacing microcontrollers to the world around them. Topics include programming a microcontroller to respond to inputs and to control various devices, such as LEDs, fans, servos, and relays.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit only and not Transferable.</p> <p><b>CAN DATA:</b> NONE</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course  <i>Deferred until a later date.</i></p> <p><b>Proposed For College(s):</b> Miramar</p> <p><b>Originating Campus:</b> Miramar</p> <p><b>Dist. Ed Proposed For College(s):</b>                  Miramar</p> <p><b>Effective:</b> Spring 2006</p>
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**Computer And Information Sciences (CISC)**

<p><b>181 Principles of Information Systems</b></p> <p align="right"><b>3 hours lecture, 3 hours lab, 4 units Grade Only</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> ENGL 051 &amp; ENGL 056, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5/R5.                  This course is an introduction to basic principles and theory relating to problem solving and analysis in business organizations using computers and software packages. Emphasis is placed on computer organization, data processing systems, decision support systems, and systems analysis. Business software is reviewed with an emphasis on spreadsheet systems including hands-on spreadsheet applications. This course is intended for the transfer student planning to major in business, economics, or social science.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities, and UC Transfer Course List.</p> <p><b>CAN DATA:</b> CAN CSCI 2 (City, Mesa, Miramar)</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Distance Learning - No Other Action  <i>Reviewed</i></p> <p><b>Originating Campus:</b> City</p> <p><b>Dist. Ed Offered At College(s):</b> Mesa</p> <p><b>Effective:</b> Spring 2006</p>
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**Mathematics (MATH)**

<p><b>035 Prealgebra</b></p> <p align="right"><b>3 hours lecture, 3 units Letter Grade or Credit/No Credit Option</b></p> <p><b>REQUISITES:</b>  <i>Advisory:</i> MATH 032 with a grade of "C" or better, or equivalent or Assessment Skill Level M20.                  The concepts in arithmetic, measurement, geometry, and introductory algebra needed to succeed in Mathematics 95. The calculator will be used as a tool for problem-solving.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> Not required</p> <p><b>TRANSFER APPLICABILITY:</b> Not Applicable to Associate Degree, pre-collegiate basic skills, English as a Second Language</p> <p><b>CAN DATA:</b> NONE</p>	<p><b>Offered At:</b> City, Mesa, Miramar</p> <p><b>Action(s) Proposed:</b> Distance Learning - No Other Action  <i>Reviewed</i></p> <p><b>Originating Campus:</b> City</p> <p><b>Dist. Ed Proposed For College(s):</b> City</p> <p><b>Dist. Ed Offered At College(s):</b> Mesa, Miramar</p> <p><b>Effective:</b> Spring 2006</p>
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**Mecomtronics (MCTR)**

<p><b>*203A Electrical and Mechanical Power Systems</b>  <b>2 hours lecture, 3 hours lab, 3 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>                  Prerequisite: MCTR 103A with a grade of "C" or better, or equivalent.                  This course is a study of electrical and mechanical power components and systems used in the transmission of mechanical power and the distribution of electrical power. Topics include analysis of electric circuits; electromagnetic devices and their use in systems; discrete semiconductor switching devices; hydraulic and pneumatic power devices; types and uses of electric motors and generators as well as power distribution systems. Troubleshooting and repair of hydraulic, pneumatic control equipment and electrical/electronic systems are studied through a number of industry-based projects.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities.</p> <p><b>CAN DATA:</b> NONE</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <i>Approved</i></p> <p><b>Proposed For College(s):</b> City</p> <p><b>Originating Campus:</b> City</p> <p><b>Effective:</b> Spring 2006</p>
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**Manufacturing Engineering Technology (MFET)**

<p><b>*220 Programmable Logic Controllers</b>  <b>2 hours lecture, 3 hours lab, 3 units</b>  <b>Grade Only</b></p> <p><b>REQUISITES:</b>                  Prerequisite: ENGL 051 &amp; ENGL 056 &amp; MATH 096, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5/R5/M50.                  This course assists students in developing and building fundamental knowledge of the operation, construction, interfacing and programming of programmable logic controllers (PLCs). Students learn different hardware components, input and output devices associating with PLCs, and PLC applications in various manufacturing systems. Students also acquire hands-on experience on constructing, operating, configuring and programming PLCs. The course is designed for students, technicians, technologists and engineers from industry who are interested in automation and the integration of PLCs in manufacturing. This course may be taken four times for credit.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities.</p> <p><b>CAN DATA:</b> NONE</p>	<p><b>Offered At:</b> NONE</p> <p><b>Action(s) Proposed:</b> New Course  <i>Approved</i></p> <p><b>Proposed For College(s):</b> City</p> <p><b>Originating Campus:</b> City</p> <p><b>Effective:</b> Summer 2006</p>
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**Technical Writing (TEHW)**

<p><b>*115 Use of Graphics and Illustration in Technical Writing</b>  <span style="float: right;"><b>3 hours lecture, 3 units</b> <b>Grade Only</b></span></p> <p><b>REQUISITES:</b>  <i>Prerequisite:</i> TEHW 101 with a grade of "C" or better, or equivalent.                  This course provides instructions in the principles and practices of technical illustration as it relates to technical writers.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> May be required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities.</p> <p><b>CAN DATA:</b> NONE</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <i>Approved</i></p> <p><b>Proposed For College(s):</b> City</p> <p><b>Originating Campus:</b> City</p> <p><b>Effective:</b> Spring 2006</p>
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**Technical Writing (TEHW)**

<p><b>*125 Introduction to Parts Documentation</b>  <span style="float: right;"><b>3 hours lecture, 3 units</b> <b>Grade Only</b></span></p> <p><b>REQUISITES:</b> NONE                  This course introduces requirements for and methods used in developing commercial and military lists and parts catalogs. Will include hardware, engineering, drawings, specifications and catalog samples.</p> <p><b>FIELD TRIP REQUIREMENTS:</b> Not required</p> <p><b>TRANSFER APPLICABILITY:</b> Associate Degree Credit &amp; transfer to CSU and/or private colleges and universities.</p> <p><b>CAN DATA:</b> NONE</p>	<p><b>Offered At:</b> City</p> <p><b>Action(s) Proposed:</b> Course Deactivation (Not at any College)  <i>Approved</i></p> <p><b>Proposed For College(s):</b> City</p> <p><b>Originating Campus:</b> City</p> <p><b>Effective:</b> Spring 2006</p>
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