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

Automotive Technology (AUTO)

*** 080A Toyota Manual Transmission & Transaxles 302** **1 hour lecture, 1 unit** **Grade Only** **REQUISITES:** *Advisory:* Automotive Technology 53 with a grade of "C" or better, or equivalent. English 51 and English 56 and Mathematics 32, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5, R5 and M20. This advanced course familiarizes technicians with Toyota manual transmissions and transaxles. Topics include clutch assemblies, manual transmissions, manual transaxles, transfer cases, and sequential manual transmissions. Students use factory manuals and receive instruction through lecture and demonstration of the proper application of tools and related components. This course is equivalent to Toyota's course code T302. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit only and not Transferable.	**Offered At:** NONE **Action(s) Proposed:** New Course ***Approved*** **Proposed For College(s):** Miramar **Originating Campus:** Miramar **Effective:** Fall 2007 – ***Walked In***

Automotive Technology (AUTO)

*** 080B Toyota Suspension, Steering & Handling 452** **1 hour lecture, 1 unit** **Grade Only** **REQUISITES:** *Advisory:* Automotive Technology 53 with a grade of "C" or better, or equivalent. English 51 and English 56 and Mathematics 32, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5, R5 and M20. This advanced course familiarizes technicians with Toyota suspension, steering, and handling systems. Students use Toyota factory manuals and receive instruction through lecture and demonstration of the proper application of tools and related components. Topics include tire and wheel service, vehicle dynamics and handling, and advanced diagnostic techniques. This course is equivalent to Toyota's course code T453. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit only and not Transferable.	**Offered At:** NONE **Action(s) Proposed:** New Course ***Approved*** **Proposed For College(s):** Miramar **Originating Campus:** Miramar **Effective:** Fall 2007 – ***Walked In***

Automotive Technology (AUTO)

*** 080C Toyota Brake Systems 552** **1 hour lecture, 1 unit** **Grade Only** **REQUISITES:** *Advisory:* Automotive Technology 53 with a grade of "C" or better, or equivalent. English 51 and English 56 and Mathematics 032, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5, R5 and M20. This advanced course familiarizes technicians with Toyota brake systems. Topics include master cylinders, drum and disc brake systems, brake boosters, parking brake systems, Anti-Lock Braking Systems (ABS), and Traction Control Systems (TRAC). Students use Toyota factory manuals and receive instruction through lecture and demonstration of proper application of tools and related components. This course is equivalent to Toyota's course code T552. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit only and not Transferable.	**Offered At:** NONE **Action(s) Proposed:** New Course ***Approved*** **Proposed For College(s):** Miramar **Originating Campus:** Miramar **Effective:** Fall 2007 – ***Walked In***

Automotive Technology (AUTO)

*** 080H Toyota Automatic Transmissions 262** **2 hours lecture, 2 units** **Letter Grade or Credit/No Credit Option** **REQUISITES:** *Advisory:* Automotive 053 with a grade of "C" or better, or equivalent. English 051, English 056 and Mathematics 032, each with a grade of "C" or better, or equivalent or Assessment Skill Level W5, R5 and M20. This advanced course familiarizes technicians with the operation of Toyota automatic transmissions, transaxles, and transfer unit. Topics include the torque converters, Simpson Planetary Gear Unit, power flow, automatic transmission fluid, transmission oil pumps, valve body circuits, electrical controls, shift lock systems, transmission checks, adjustments, and diagnosis. Students use Toyota Factory manuals and receive instruction through lecture and demonstration of tools and related components. The course qualifies for Toyota's course code T262. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit only and not Transferable.	**Offered At:** NONE **Action(s) Proposed:** New Course ***Approved*** **Proposed For College(s):** Miramar **Originating Campus:** Miramar **Effective:** Fall 2007 – ***Walked In***

Biology (BIOL)

*** 265B Preparation for Biotechnology** **3 hours lecture, 6 hours lab, 5 units** **Grade Only** **REQUISITES:** *Advisory:* English 51 and English 56 and Mathematic 95, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5 R5 and M40. This course is intended as a preparation course for students interested in further studies in biotechnology. The course provides the fundamental knowledge in mathematics, chemistry, biology, and microbiology for additional biotechnology coursework. This course can fulfill the prerequisite requirement for Bio 206. Topics include the fundamental chemical processes common in prokaryotic and eukaryotic biology, chemistry of biomolecules, cellular and molecular biology, gene expression and genetic engineering. The laboratory experience provides basic skills and techniques essential to advanced biotechnology courses. **FIELD TRIP REQUIREMENTS:** Required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** NONE **Action(s) Proposed:** New Course ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Fall 2007 – ***Walked In***

Chemistry (CHEM)

152 Introduction to General Chemistry **3 hours lecture, 3 units** **Letter Grade or Credit/No Credit Option** **REQUISITES:** *Prerequisite:* Mathematics 96 with a grade of "C" or better, or equivalent, or Assessment Skill Level M50. *Corequisite:* Chemistry 152L *Advisory:* English 51 and English 56, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5/R5. *Limitation on Enrollment:* This course is not open to students with previous credit for Chemistry 151. This is a one-semester preparatory course in chemistry consisting of an intensive study of some of the principles of inorganic and physical chemistry that are needed before taking Chemistry 200. Topics include but are not limited to atomic structure, chemical nomenclature, periodicity, chemical equations, stoichiometry, solutions, intermolecular forces, and gas laws. The course emphasizes problem solving and chemical calculations. It is intended for those students majoring in one of the natural sciences, engineering, or related curricula who do not meet the entrance requirements of Chemistry 200. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** Mesa, Miramar, City **Action(s) Proposed:** Distance Learning - No Other Action ***Reviewed*** **Proposed For College(s):** Mesa **Originating Campus:** Mesa **Effective:** Fall 2007

Dance (DANC)

111 Ethnic Dance Forms **1 hour lecture, 3 hours lab, 2 units** **Letter Grade or Credit/No Credit Option** **REQUISITES:** *Advisory:* English 51 and English 56, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5 and R5. This course is an introduction to multiple cultures and global dance traditions. Each tradition is examined in terms of its particular set of techniques, styles and rhythms. Special emphasis is placed on the exploration of movement characteristic of each cultural dance form. This course is not limited to dance majors and minors. Dance majors are encouraged to expose themselves to a variety of cultural dance forms. Course content, including country, culture and/or dance type, changes each semester. This course may be taken up to four times for credit. **FIELD TRIP REQUIREMENTS:** Required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** City, Mesa **Action(s) Proposed:** Course Revision (May Include Activation) – Six Year Review - ***Approved*** Course Description Methods of Evaluation Methods of Instruction Outside Assignments Reading Assignments Repeatability Texts Writing Assignments **Proposed For College(s):** City, Mesa **Originating Campus:** City **Effective:** Fall 2007 ***This course is being proposed at City and Mesa for UC transfer course list.***

Dance (DANC)

*** 145 Ballroom and Social Dance** **2 - 3 hours lab, 0.50 - 1 unit** **Letter Grade or Credit/No Credit Option** **REQUISITES:** *Advisory:* English 51 with a grade of "C" or better, or equivalent, or Assessment Skill Level W5. Ballroom and Social Dance is an introductory course focusing on the fundamentals of partner dance and basic steps in a variety of social and ballroom dance genres. Emphasis is placed on partnering technique, frame, style, and steps. This course is designed for dance and theatre majors as well as students who wish to explore historical dance. This course may be taken four times for credit. Students must demonstrate proficiency in the performance of increasingly complex Latin rhythms, tango variations, swing styles and partnering with each repetition. When this course is offered for three hours a week the additional time is utilized in the practice and perfection of styling, postures, rhythms and variations. **FIELD TRIP REQUIREMENTS:** Required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** NONE **Action(s) Proposed:** New Course ***Approved*** **Proposed For College(s):** City, Mesa **Originating Campus:** Mesa **Effective:** Fall 2007 ***This course is being proposed at City and Mesa for UC transfer course list.***

Disability Support Programs and Services (DSPS)

038 Math Strategies for the Learning Disabled **3 hours lecture, 3 units** **Credit/No Credit Only** This course is designed for students with verified disabilities related to math. It is taught as a lecture class that can be taken independently or in conjunction with Math 32/Math 35. This class utilizes a strategies oriented approach for developing competency with fundamental mathematical operations and pre-algebra concepts. This course, in combination with DSPS 73, may be taken four times for credit. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Not Applicable to Associate Degree, pre-collegiate basic skills, English as a Second Language.	**Offered At:** City **Action(s) Proposed:** Course Activation (Currently active at another college) ***Approved*** **Proposed For College(s):** Miramar **Originating Campus:** Miramar **Effective:** Fall 2007 – ***Walked In***

Disability Support Programs and Services (DSPS)

043 Advanced Applied Study Strategies **2 - 3 hours lab, 0.50 - 1 unit** **Credit/No Credit Only** This course is intended primarily for students needing advanced academic disability related support in addition to the campus wide academic support services currently available. The focus of this class is to provide individualized study assistance for students in mainstream degree applicable college classes. Emphasis is placed on the application of study strategies to a specific course. Both study strategies and assistive technology are utilized to meet the demands of a mainstream course content. Computer assisted instruction is used to review related basic skills instruction and to support research skill development. This course may be taken four times with different content for a maximum of four units. **FIELD TRIP REQUIREMENTS:** Not required **TRANSFER APPLICABILITY:** Not Applicable to Associate Degree, pre-collegiate basic skills, English as a Second Language.	**Offered At:** City **Action(s) Proposed:** Course Activation (Currently active at another college) ***Approved*** **Proposed For College(s):** Miramar **Originating Campus:** Miramar **Effective:** Fall 2007 – ***Walked In***

Disability Support Programs and Services (DSPS)

048 Effective Sentence Writing and Grammar **2 hours lecture, 2 units** **Credit/No Credit Only** This course is designed for students who have verified disabilities related to effective sentence writing skills. It is intended to prepare students for a more successful entry into the mainstream basic skills English curriculum. Multisensory learning strategies are emphasized that assist in the recognition of acceptable sentence structures and appropriate grammar. Sentence writing instruction progresses from very simple to more complex structures. **FIELD TRIP REQUIREMENTS:** Not required **TRANSFER APPLICABILITY:** Not Applicable to Associate Degree, pre-collegiate basic skills, English as a Second Language.	**Offered At:** City, Mesa **Action(s) Proposed:** Course Activation (Currently active at another college) ***Approved*** **Proposed For College(s):** Miramar **Originating Campus:** Miramar **Effective:** Fall 2007 – ***Walked In***

Disability Support Programs and Services (DSPS)

049 Writing Structured Paragraphs **2 hours lecture, 2 units** **Credit/No Credit Only** This course is designed for students who demonstrate difficulty with written language. It is intended to prepare students who have a writing-related disability to more successfully meet the minimum college requirements for multi-paragraph essay writing. This course is unique for the highly structured and sequential strategies applied to essay writing. Additionally, the course emphasizes the application of assistive computer technology for facilitating organizational pre-writing strategies, document checking, and written language fluency. **FIELD TRIP REQUIREMENTS:** Not required **TRANSFER APPLICABILITY:** Not Applicable to Associate Degree, pre-collegiate basic skills, English as a Second Language.	**Offered At:** City, Mesa **Action(s) Proposed:** Course Activation (Currently active at another college) ***Approved*** **Proposed For College(s):** Miramar **Originating Campus:** Miramar **Effective:** Fall 2007 – ***Walked In***

Engineering (ENGE)

108 Dimensioning and Tolerancing **3 hours lecture, 3 units** **Grade Only** **REQUISITES:** *Limitation on Enrollment:* This course is not open to students with previous credit for Manufacturing Technology 108. This course is an introductory study of dimensioning and tolerancing. The course content emphasizes symbology, datum reference, tolerances of location and of form and runout, and includes a complete orientation to American National Standard Institute Standard Y14.5. This course is designed for the transfer student planning to major in engineering or disciplines included in the physical sciences. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** City **Action(s) Proposed:** Distance Learning - No Other Action ***Reviewed*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Fall 2007 – ***Walked In***

Engineering Technology (ENGN)

*** 130 Introduction to Engineering Design** **2 hours lecture, 3 hours lab, 3 units** **Grade Only** This course is an introductory study of Engineering Design. Emphasis is placed on providing students with an overall perspective on the design process as well as on the details of product development, including computer-aided design (CAD). Topics include the history of design, current career opportunities, portfolio development, geometric relationships, modeling, dimensioning, production and marketing. This class is designed for students interested in the pursuing an academic or vocational career in engineering technology or electronics, including, but not limited to advanced-level high school students. **FIELD TRIP REQUIREMENTS:** Required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** NONE **Action(s) Proposed:** New Course ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Summer 2007 - *Walked In*

Fashion (FASH)

*** 179 Fashion Photo Styling** **3 hours lecture, 3 units** **Grade Only** **REQUISITES:** *Advisory:* English 51 and English 56, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5 and R5. In this course, students develop an understanding of all aspects of commercial photo shoots and the uses of photography in fashion marketing. Students will train for a career in fashion photo styling and gain hands-on experience with techniques used in various styling specialties. In addition, students integrate digital photography, publishing, and related software with their own projects and portfolio building. This course is designed for students majoring in the fashion field. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** NONE **Action(s) Proposed:** New Course ***Approved*** **Proposed For College(s):** Mesa **Originating Campus:** Mesa **Effective:** Fall 2007

Humanities (HUMA)

103 Introduction to the New Testament **3.00 hours lecture, 3.00 units** **Letter Grade or Credit/No Credit Option** **REQUISITES:** *Advisory:* ENGL 101 with a grade of "C" or better, or equivalent or Assessment Skill Levels R6 and W6. This course provides an introduction to the history and culture of the New Testament period (First Century C.E.), methods of critical analysis of Biblical materials, and the content of the New Testament. It also examines the impact of the New Testament on western culture. This course may be of interest to students of history, literature, anthropology or those with a general interest in biblical studies. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** Mesa **Action(s) Proposed:** Course Activation (Currently active at another college) ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Fall 2007 – ***Walked In*** ***This course is being proposed by City for District General Education Area C (Humanities), CSU General Education Area C2 (Arts, Literature, Philosophy, Foreign Languages-Humanities) and for IGETC, Area 3, (Arts and Humanities - Humanities); this course is being proposed for UC transfer course list.***

Medical Assisting (MEDA)

113 Diagnostic Testing **3 hours lab, 1 unit** **Grade Only** **REQUISITES:** *Corequisite:* Completion of or concurrent enrollment in Medical Assisting 105, 106, 110 and 112, each with a grade of "C" or better, or equivalent. *Limitation on Enrollment:* Special Admission - must be admitted to program. This course presents the principles of diagnostic testing to the Medical Assisting student. Students will learn to screen patients for various diagnostic tests and to follow-up test results. Students will be introduced to the different types of medical laboratories and will learn to apply laboratory safety practices in accordance with Standard Precautions and Occupational Safety & Health Administration (OSHA) regulations. Methods of quality control will be introduced and applied for specimen collection, transport, and testing. Students will receive hands-on instruction and practice using common laboratory equipment to perform Clinical Lab Improvement Act (CLIA) approved tests for the Medical Assistant, such as certain hematology, chemistry, immunology, microbiology tests, urinalysis, and respiratory function testing. Principles of radiological tests, such as X-rays, computerized axial tomography (CT) scanning, magnetic resonance imaging (MRI) and others will be discussed. Students will be instructed in respiratory function testing and result analysis. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** Mesa **Action(s) Proposed:** Course Revision (May Include Activation) – Six Year Review - ***Approved*** Corequisite – New and Change Critical Thinking Assignments Limitation on Enrollment – New Methods of Instruction Student Learning Outcomes Outline of Topics Texts **Proposed For College(s):** Mesa **Originating Campus:** Mesa **Effective:** Fall 2007

Medical Assisting (MEDA)

115 Pathophysiology **3 hours lecture, 3 units** **Grade Only** **REQUISITES:** *Advisory:* English 51 and English 56, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5 and R5. *Advisory:* Completion of or concurrent enrollment in Medical Assisting 105 or 110 or Biology 160, each with a grade of "C" or better, or equivalent. The course focuses on disease processes in the human body from a systems approach. Analysis of some of the most common and significant diseases is included. The signs and symptoms, etiology, diagnosis, and treatment of disease are examined along with the appropriate medical terminology. This course is designed for students in allied health programs, but is also open to those who wish to broaden their medical background or review this information. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** Mesa **Action(s) Proposed:** Course Revision (May Include Activation) – Six Year Review - ***Approved*** Advisory – New Critical Thinking Assignments Methods of Evaluation Student Learning Outcomes Outside Assignments Prerequisite – Change Reading Assignments Texts Writing Assignments **Proposed For College(s):** Mesa **Originating Campus:** Mesa **Effective:** Fall 2007

Manufacturing Engineering Technology (MFET)

*** 101A Introduction to Manufacturing I** **1 hour lecture, 1 unit** **Grade Only** **REQUISITES:** *Limitation on Enrollment:* This course is not open to students with previous credit for Manufacturing Engineering Technology 101 or Engineering Technology 120. This project-based module is designed for high school and entry college students who might be interested in the field of Manufacturing Engineering Technology (MFET). The module discusses common manufacturing terminologies, current business trends, and design process involved with product and process development. It also provides an overview of the MFET program, job perspectives for graduates, salary ranges and various career options in manufacturing. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** NONE **Action(s) Proposed:** New Course ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Summer 2007 ***This course is being proposed at City for UC transfer course list.***

Manufacturing Engineering Technology (MFET)

*** 101B Introduction to Manufacturing II** **1 hour lecture, 1.00 unit** **Grade Only** **REQUISITES:** *Prerequisite:* Manufacturing Engineering Technology 101A or Engineering Technology 120, each with a grade of "C" or better, or equivalent. *Limitation on Enrollment:* This course is not open to students with previous credit for Manufacturing Engineering Technology 101. This project-based module is designed for high school and entry college students who might be interested in the field of Manufacturing Engineering Technology. The module introduces manufacturing principles in a product realization process, automation, quality control and management, and lean manufacturing. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** NONE **Action(s) Proposed:** New Course ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Summer 2007 ***This course is being proposed at City for UC transfer course list.***

Manufacturing Engineering Technology (MFET)

*** 101C Introduction to Manufacturing III** **1 hour lecture, 1 unit** **Grade Only** **REQUISITES:** *Prerequisite:* Manufacturing Engineering Technology 101B with a grade of "C" or better, or equivalent. *Limitation on Enrollment:* This course is not open to students with previous credit for Manufacturing Engineering Technology 101. This project-based module is designed for high school and entry college students who might be interested in the field of Manufacturing Engineering Technology. The module introduces environmental and safety rules, regulations and practices in manufacturing enterprises. In this module, students also apply previous knowledge and training in manufacturing engineering technology to work in teams, build robots that are capable of performing various challenging tasks and compete at the end of the module. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** NONE **Action(s) Proposed:** New Course ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Summer 2007 ***This course is being proposed at City for UC transfer course list.***

Manufacturing Engineering Technology (MFET)

105 Print Reading and Symbology **3 hours lecture, 3 units** **Grade Only** **REQUISITES:** *Advisory:* English 51 and Mathematics 35, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5 and M30. *Limitation on Enrollment:* This course is not open to students with previous credit for MFET 105A or MFET 105B. This course is a study of the types of symbols and engineering notations used for mechanical, electrical, electronic, hydraulic and pneumatic drawings. Representative drawings are used to demonstrate concepts and practice in interpreting the symbols and notations. Students view and handle typical parts represented by the symbols. This course is designed for students who are currently working in a manufacturing plant or pursuing a career in an engineering technology field. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** City **Action(s) Proposed:** Course Revision (May Include Activation)) – Six Year Review - ***Approved*** Methods of Instruction Student Learning Outcomes **Proposed For College(s):** City **Dist. Ed Proposed For College(s):** City **Effective:** Fall 2007 – ***Walked In***

Manufacturing Engineering Technology (MFET)

*** 105A Print Reading I** **1.5 hours lecture, 1.5 units** **Grade Only** **REQUISITES:** *Advisory:* Mathematics 35 with a grade of "C" or better, or equivalent, or Assessment Skill Level M30. *Limitation on Enrollment:* This course is not open to students with previous credit for Manufacturing Engineering Technology 105 or Engineering Technology 124 or 130. This project-based module teaches student basic sketching techniques, print layout, views, and fundamentals of working and pictorial drawings. Students also learn drawing and annotation standards for different mechanical parts, the principles of dimensioning and tolerancing and their applications and practices in industrial prints. The module is designed for students who are interested in studying manufacturing. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** NONE **Action(s) Proposed:** New Course ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Summer 2007

Manufacturing Engineering Technology (MFET)

*** 105B Print Reading II** **1.5 hours lecture, 1.5 units** **Grade Only** **REQUISITES:** *Prerequisite:* Manufacturing Engineering Technology 105A or Engineering Technology 124 or 130, each with a grade of "C" or better, or equivalent. *Limitation on Enrollment:* This course is not open to students with previous credit for Manufacturing Engineering Technology 105. This project-based module teaches student different types of scales, precision measurement instruments, methods for geometric tolerancing. Students also learn to interpret symbols and notes on electrical and electronic diagrams, precision sheet metal drawings and welding specifications. Module includes a final project in which students work in teams to generate a print for a part using different drafting symbols, notes, specifications and standards learned throughout the print reading modules. This module is designed for students who are interested in studying manufacturing. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** NONE **Action(s) Proposed:** New Course ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Summer 2007

Manufacturing Engineering Technology (MFET)

*** 150A Manufacturing Automation I** **1 hour lecture, 1.50 hours lab, 1.5 units** **Grade Only** **REQUISITES:** *Prerequisite:* Manufacturing Engineering Technology 101 or 101C or 120 with a grade of "C" or better, or equivalent. *Limitation on Enrollment:* This course is not open to students with previous credit for Manufacturing Engineering Technology 150 or Engineering Technology 126. This project-based module introduces students to the principles of manufacturing automation, computer-integrated manufacturing (CIM) which includes process and machine control, programmable logic controllers and robotics. Students also learn different applications of automation to improve quality and productivity in manufacturing industries. This module is designed for students who are interested in modern manufacturing. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** NONE **Action(s) Proposed:** New Course ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Summer 2007

Manufacturing Engineering Technology (MFET)

*** 150B Manufacturing Automation II** **1 hour lecture, 1.5 hours lab, 1.5 units** **Grade Only** **REQUISITES:** *Prerequisite:* Manufacturing Engineering Technology 150A or Engineering Technology 126, with a grade of "C" or better, or equivalent. *Limitation on Enrollment:* This course is not open to students with previous credit for Manufacturing Engineering Technology 150. This project-based module covers additional automation topics and applications in manufacturing industry, including sensors and actuators, part handling and assembly. Students also learn the concepts of group technology, flexible manufacturing systems and their applications. This module is designed for students who like to gain further knowledge and experience in modern manufacturing practices. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** NONE **Action(s) Proposed:** New Course ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Summer 2007

Manufacturing Technology (MAFG)

*** 044 Supervised Tutoring in Manufacturing Technology** **0 units** **No Grade/0 Units** This course is designed to prepare the student to succeed in the corequisite and subsequent subject matter courses. This course may be taken four times with a different corequisite subject matter course. **FIELD TRIP REQUIREMENTS:** Not required **TRANSFER APPLICABILITY:** College noncredit course	**Offered At:** City **Action(s) Proposed:** Course Deactivation (Not at any College) ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Fall 2007

Manufacturing Technology (MAFG)

*** 102 Print Reading and Symbology** **3 hours lecture, 3 units** **Grade Only** *Advisory:* English 51 and Mathematics 35, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5 and M30. This course involves the study of the types of symbols and engineering notations used for mechanical, electrical, electronic, hydraulic, and pneumatic drawings. Representative drawings are used to demonstrate concepts and practice in interpreting the symbols and notations. Students view and handle typical parts represented by the symbols. This course is designed for students who are currently working in a manufacturing plant or pursuing a career in engineering technology fields. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** City **Action(s) Proposed:** Course Deactivation (Not at any College) ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Fall 2007

Manufacturing Technology (MAFG)

*** 106 Manufacturing Processes** **3 hours lecture, 3 hours lab, 4 units** **Grade Only** **REQUISITES:** *Limitation on Enrollment:* This course is not open to students with previous credit for Manufacturing Technology 265: Physics of Machines and Processes. This course is a survey of physical and chemical processes used to manufacture products. This course is designed to provide students who plan to pursue a career in automated manufacturing with the skills that will enable the student to test automated manufacturing processes and to encourage the further pursuit of training in physics and chemistry. The course will explore the principles of physics and chemistry that underlie technologies used to manufacture products in industry, such as machine technology, vacuum technology, heat treating technology, hydraulic and pneumatic technology and electro-chemical manufacturing processes. The student will employ formulas and the New Metric (S.I.) (mks) system of measurement to solve problems relating to industrial processes. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit only and not Transferable.	**Offered At:** City **Action(s) Proposed:** Course Deactivation (Not at any College) ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Fall 2007

Manufacturing Technology (MAFG)

*** 115 Properties of Materials for Technicians** **3 hours lecture, 3 units** **Grade Only** **REQUISITES:** *Advisory:* English 42 and English 43 and Mathematics 35, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W4, R4 and M30. This course provides instruction on the origin, properties, characteristics and uses of metallic industrial materials. The course emphasizes the processes and tests used with metallic industrial materials during the manufacturing cycle. This course is fundamental for manufacturing technology students and students participating in industrial apprenticeship programs. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit only and not Transferable.	**Offered At:** City **Action(s) Proposed:** Course Deactivation (Not at any College) ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Fall 2007

Manufacturing Technology (MAFG)

*** 270 Work Experience** **1 - 4 units 1 hour other** **Grade Only** **REQUISITES:** *Limitation on Enrollment:* Must obtain an Add Code from Work Experience Coordinator for enrollment. *Limitation on Enrollment:* To receive credit a student must complete a minimum of seven units during the semester, including work experience. A program of on-the-job learning experiences for students employed in a job related to their major. The combined maximum credit for all work experience courses from all disciplines may not exceed 16 units. **FIELD TRIP REQUIREMENTS:** Not required **TRANSFER APPLICABILITY:** Associate Degree Credit only and not Transferable.	**Offered At:** City **Action(s) Proposed:** Course Deactivation (Not at any College) ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Fall 2007

Manufacturing Technology (MAFG)

*** 277D Service Learning -- on Campus** **1 - 3 units** **Grade Only** **REQUISITES:** *Advisory:* English 51 and English 56, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5 and R5. *Limitation on Enrollment:* Must obtain an Add Code from the instructor for enrollment. Students in this course develop and implement service learning projects to help the 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 college classes, education projects for college students, mentoring and shadowing. 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 277D discipline courses may not exceed three units. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** City **Action(s) Proposed:** Course Deactivation (Not at any College) ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Fall 2007

Manufacturing Technology (MAFG)

*** 290 Independent Study** **1 - 3 units, 1 hour other** **Grade Only** **REQUISITES:** *Limitation on Enrollment:* Must obtain an Add Code from the instructor for enrollment. For advanced students who wish to pursue special projects associated with Manufacturing Technology. The student meets with the instructor at specific intervals and is expected to do primary research, analyze problems and submit reports. This course may be taken four times with different content for a maximum of six units. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit only and not Transferable.	**Offered At:** City **Action(s) Proposed:** Course Deactivation (Not at any College) ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Fall 2007

Nutrition (NUTR)

150 Nutrition **3.00 hours lecture, 3.00 units** **Grade Only** **REQUISITES:** *Advisory:* English 51 and English 56 and Mathematics 32, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5, R5, and M20. Scientific concepts of nutrition relating to the functioning of nutrients within the human body. Emphasis on nutritional needs throughout the life cycle, food source of nutrients, and current nutritional issues. Students utilize computer technology to analyze dietary intake and evaluate nutritional status. Included is a personal dietary analysis indicating nutritional issues. Students operated computer assisted program available. **FIELD TRIP REQUIREMENTS:** Not required. **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities. **CAN DATA:** CAN FCS 2 (Mesa, Miramar)	**Offered At:** Mesa, Miramar **Action(s) Proposed:** Distance Learning - No Other Action ***Reviewed*** **Proposed For College(s):** Mesa **Originating Campus:** Mesa **Effective:** Fall 2007

Philosophy (PHIL)

102A Introduction To Philosophy: Reality and Knowledge **3 hours lecture, 3 units** **Letter Grade or Credit/No Credit Option** **REQUISITES:** *Advisory:* English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6; or English 105 with a grade of "C" or better, or equivalent. This course provides an introductory study of the aims, methods, types and problems of philosophy and philosophical inquiry. Discussions and readings relating to the nature of reality and problems of knowledge are emphasized. Materials for this survey of philosophical activity, orientations and views of philosophers may be drawn from classical and contemporary thinkers. Students are encouraged to articulate, analyze, and evaluate their own beliefs/positions in the context of meaningful philosophical inquiry. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities. **CAN DATA:** CAN PHIL 2 (City, Mesa, Miramar)	**Offered At:** City, Mesa, Miramar **Action(s) Proposed:** Distance Learning - No Other Action ***Reviewed*** **Proposed For College(s):** Mesa **Originating Campus:** Mesa **Effective:** Spring 2008

Physical Education (PHYE)

257A Professional Activities/Soccer I **1.5 hours lecture, 1.5 hours lab, 2 units** **Grade Only** Fall, This course covers the theoretical concepts necessary for students to compete successfully in their first intercollegiate soccer season. Topics covered include mechanical analysis of fundamental through advanced soccer skills, offensive and defensive strategies, statistics, rules, and officiating. This course is offered separately for men and women. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** City, Mesa **Action(s) Proposed:** Course Activation (Currently active at another college) ***Approved*** **Proposed For College(s):** Miramar **Originating Campus:** Miramar **Effective:** Fall 2007 – ***Walked In*** ***This course is being proposed by Miramar for UC transfer course list.***

Physical Education (PHYE)

257B Professional Activities/Soccer II **1.5 hours lecture, 1.5 hours lab, 2 units** **Grade Only** Fall, This is a lecture/lab course including activities and discussion of advanced team strategies, efficient conditioning techniques, goals for game preparation, and leadership qualities. Concepts for team building and social skills necessary for success at the intercollegiate level are emphasized. This course is offered separately for men and women in the fall semester. This course benefits students who are enrolled in PHYE 215, Intercollegiate Soccer II. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** City, Mesa **Action(s) Proposed:** Course Activation (Currently active at another college) ***Approved*** **Proposed For College(s):** Miramar **Originating Campus:** Miramar **Effective:** Fall 2007 – ***Walked In*** ***This course is being proposed by Miramar for UC transfer course list.***

Psychology (PSYC)

166 Introduction to Social Psychology **3 hours lecture, 3 units** **Grade Only** **REQUISITES:** *Advisory:* English 56 and English 51, each with a grade of "C" or better, or equivalent or Assessment Skill Level R5 and W5. Social psychology examines how individuals are influenced by their social environment. Special attention is given to social cognition and perception, self-justification, conformity, group dynamics, prejudice, aggression, prosocial behavior and applied social psychology. Emphasis will be placed on developing critical and integrative ways of thinking about theory and research in social psychology. This course is for anyone who is interested in the subject of social psychology. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities and CSU General Education.	**Offered At:** Miramar, Mesa **Action(s) Proposed:** Course Activation (Currently active at another college) ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Fall 2007 – ***Walked In*** ***This course is being proposed by City for District General Education, Area D (Social and Behavioral Sciences), CSU General Education D9 Area D (Social, Political, and Economic Institutions and Behavior, Historical Background - Psychology) and for IGETC, Area 4, (Social and Behavioral Sciences - Psychology); this course is being proposed for UC transfer course list.***

Psychology (PSYC)

245 Abnormal Psychology **3 hours lecture, 3 units** **Letter Grade or Credit/No Credit Option** **REQUISITES:** *Advisory:* English 51 and English 56, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5 and R5. This course provides a comprehensive survey of troubled patterns of behavior. Students explore theoretical models as they relate to etiology, treatment, and prognosis of psychopathologies. Students also learn how the DSM-IV helps identify and assess various disorders. Topics include legal and social policy issues. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** Miramar, Mesa **Action(s) Proposed:** Course Activation (Currently active at another college) ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Effective:** Fall 2007 – ***Walked In*** ***This course is being proposed by City Mesa and Miramar for District General Education, Area D (Social and Behavioral Sciences), and for City IGETC, Area 4, (Social and Behavioral Sciences - Psychology); this course is being proposed for UC transfer course list.***

Real Estate (REAL)

*** 166 Common Interest Development** **3 hours lecture, 3 units** **Grade Only** This course is a study of Common Interest Developments (CID) and the management of related Homeowner's Associations (HOA). Emphasis is placed on providing students with up-to-date management procedures and the application of California law where appropriate. This course is designed for students pursuing a career in Real Estate and/or those interested in CIDs. **FIELD TRIP REQUIREMENTS:** May be required **TRANSFER APPLICABILITY:** Associate Degree Credit & transfer to CSU and/or private colleges and universities.	**Offered At:** NONE **Action(s) Proposed:** New Course ***Approved*** **Proposed For College(s):** City **Originating Campus:** City **Dist. Ed Proposed For College(s):** City **Effective:** Summer 2007