

Board Docket for May 25, 2006

A. NAME OF DOCKET ITEM

Consideration and approval of new or revised courses and programs.

B. STATEMENT OF ISSUE/PURPOSE

1. Background and Purpose

The following curriculum changes are proposed:

Aviation	Adoption of a new course at Miramar College	Attachment A
Biology	Adoption of a new course at Miramar College.	Attachment B
Business	Adoption of a new course at Miramar College.	Attachment C
Computer Business Technology	Adoption of a new course at Mesa College.	Attachment D
Dance	Adoption of a new course at City College.	Attachment E
Electricity	Adoption of three new courses at City College.	Attachment F
Emergency Medical Technician	Adoption of a new course at Miramar College.	Attachment G
Engineering Technology	Adoption of two new courses at City College.	Attachment H
Fire Protection Technology	Adoption of a course deactivation at Miramar College.	Attachment I
Human Services	Adoption of two new courses at City College.	Attachment J

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Vice Chancellor
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B. STATEMENT OF ISSUE/PURPOSE (Continued)

1. Background and Purpose (Continued)

Information, Network and Web Technologies	Adoption of a new course at City College.	Attachment K
Manufacturing Engineering Technology	Adoption of a new course at City College.	Attachment L
Mathematics	Adoption of three new courses at City, Mesa, & Miramar Colleges and one course deactivation at Mesa College.	Attachment M
Music	Adoption of four course reactivations at City College and one new course at Mesa College.	Attachment N
Physics	Adoption of a new course at City, Mesa, and Miramar Colleges.	Attachment O
Radio Frequency Technology	Adoption of four new courses at City College	Attachment P
Sociology	Adoption of a new course at Miramar College	Attachment Q
Spanish	Adoption of a new course at City and Miramar College.	Attachment R

2. Cost and Funding

There is no additional cost to the District

C. PROPOSAL

The Board of Trustees hereby approves the action outlined in Part A of this docket exhibit.

ACTION

Adoption of a new course at Miramar College.

Proposed course at Miramar College:

228 Group Dynamics II

**3 hours lecture, 3 units
Grade Only**

Prerequisite: AVIA 128 with a grade of "C" or better, or equivalent.

Advisory ENGL 051 & ENGL 056, each with a grade of "C" or better, or equivalent or Assessment Skill Level W5/R5.

This course offers students the opportunity to continue developing "reflective-practitioner" skills, building on learning experienced in AVIA 128. Emphasizing an error management strategy called Team Resource Management, students explore further the nature of "roles" and the impact of group processes as a way to expose and manage team errors. The course also addresses how professionals in high-risk fields might increase their awareness of the dynamics of authority relations, factors affecting the act of authorizing, and the interdependent nature of leadership while assisting participants to learn how to manage anxiety and continue to think and function in stressful situations. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at Miramar College.

Proposed course at Miramar College:

134 Introduction to the Biotechnology Lab
3 - 4 hours lab, 1 unit
Letter Grade or Credit/No Credit Option

Advisory: ENGL 051 & ENGL 056, each with a grade of "C" or better, or equivalent. or Assessment Skill Level W5/R5.

Limitation on Enrollment: This course is not open to students with previous credit for Biology 131 Introduction to Biotechnology.

This course examines biology laboratory technology as it relates to the field of Biotechnology. The laboratory addresses basic skills and techniques common to the biotechnology industry including measuring activity and quantity of proteins, growth and manipulation of bacteria, genetic engineering, polymerase chain reaction and antibody methods. In addition to hands on skills, the course will provide context for how and why these techniques are used in the industry. This course enhances the laboratory skills of students wishing to be employed by the biotechnology industry. It is intended as an elective and for students in Applied Biology (Biotechnology) and Allied Health Tracks. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at Miramar College.

Proposed course at Miramar College:

102 Introduction to Customer Service

3 hours lecture, 3 units

Grade Only

Advisory: ENGL 051 & ENGL 056, each with a grade of "C" or better, or equivalent or Assessment Skill Level W5/R5.

This course provides students with basic knowledge of customer service by examining customer service from the provider's and customer's perspectives. It takes a pragmatic approach to applying the principles of service within an organization. Topics include leadership in customer service, customer retention and satisfaction, classifications of service organizations, and principles and practices of internal service. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at Mesa College.

Proposed course at Mesa College:

153 Database Development with Access
2.5 hours lecture, 1.5 hours lab, 3 units
Grade Only

Advisory: ENGL 051 & ENGL 056, each with a grade of "C" or better, or equivalent or Assessment Skill Level W5/R5.

CBTE 101 and CBTE 114, each with a grade of "C" or better, or equivalent.

This course is designed for individuals seeking to develop skills in a relational database management system on a personal computer. Topics include designing relational databases; creating tables, queries, forms and reports; entering data; finding and modifying records; importing from and exporting to other programs and to HTML pages; using field properties; understanding the use of Server Query Language (SQL) in Access; creating and running macros for automating tasks; and planning and designing user interfaces. This course, or sections of this course, may be offered through distance education. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at City College.

Proposed course at City College:

127 Body Modalities and Injury Prevention

1 hour lecture, 3 hours lab, 2 units

Letter Grade or Credit/No Credit Option

This course builds on basic concepts of anatomy, physiology, and kinesiology to introduce traditional and non-traditional approaches to movement and injury prevention. Emphasis will be placed on the following modalities: Feldenkrais, Alexander Technique, Rolfing, Pilates, Gyrokinesis, physioball, foam roller, theraband, yoga, breath support (Tai Chi and Qi Gong), and introduction to Bartenieff Fundamentals. Student skills and proficiencies are enhanced by supervised repetition of various body modalities techniques, alignment and core stabilization, and body connections; therefore, this course may be taken up to four times for credit. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of new courses at City College.

Proposed courses at City College:

020 Blueprint Reading for Electricians

3 hours lecture, 3 units

Grade Only

This course is a practical survey of blueprint reading for electricians. Emphasis is placed on architectural considerations and electrical symbology for residential, commercial, and industrial blueprints. This course is intended for students in the Electricity Program as well as for working electricians who want to further their skills and/or fulfill state certification and accreditation requirements. (FT) Not Applicable to Associate Degree, Occupational/Vocational basic skills.

030 Modern Commercial Wiring

3 hours lecture, 3 units

Grade Only

This course is a study of modern commercial wiring systems. Emphasis is placed on practical application of the material through in-class projects. This course is intended for students in the Electricity Program as well as for working electricians who want to further their skills and/or fulfill state certification and accreditation requirements. (FT) Not Applicable to Associate Degree, Occupational/Vocational basic skills.

040 Data, Voice and Video Cabling for Electricians

3 hours lecture, 3 units

Grade Only

This course is a study of current data, voice and video cabling systems. Emphasis is placed on practical application of the material through in-class projects. This course is intended for students in the Electricity Program as well as for working electricians who want to further their skills and/or fulfill state certification and accreditation requirements. (FT) Not Applicable to Associate Degree, Occupational/Vocational basic skills.

Emergency Medical Technician

ACTION

Adoption of a new course at Miramar College.

Proposed course at Miramar College:

352 Pediatric Advanced Life Support Inservice

1 hour lecture, 1 unit

Credit/No Credit Only

Advisory: ENGL 051 & ENGL 056, each with a grade of "C" or better, or equivalent or Assessment Skill Level W5/R5.

This course provides in-service training in pediatric advanced life support. It is intended for M.D., R.N., EMT-P, or EMT-B students with a current BLS for Healthcare Provider card. It covers appropriate early treatment for pediatric emergencies based on current American Heart Association guidelines. This course may be taken as necessary to meet a legally mandated training requirement as a condition of employment or volunteer employment. (FT) Not Applicable to Associate Degree, Occupational/Vocational basic skills.

ACTION

Adoption of new courses at City College.

Proposed courses at City College:

110 Science for Technical Applications

3 hours lecture, 3 hours lab, 4 units

Grade Only

Advisory: ENGL 051 & ENGL 056 & MATH 095, each with a grade of "C" or better, or equivalent or Assessment Skill Level W5/R5/M40.

This science course presents basic vocabulary, concepts and scientific techniques that are used to analyze and understand technical applications. Students are introduced to the language and tools of chemistry and physics. Students learn to interpret atomic structure, use the periodic table, classify and identify properties of common compounds, analyze chemical bonding and reactions, and relate technical applications to chemical properties. Students also learn to determine the effect of force on linear motion, analyze various physical phenomena, and analyze various forms of energy. This course is intended for beginning students who are enrolling in an engineering technology major. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

275 Engineering Technology Industrial Internship

1 hour lecture, 9 hours lab, 4 units

Grade Only

Prerequisite: MFET 101 and MFET 105 and MFET 115, each with a grade of "C" or better, or equivalent.

Corequisite: Completion of or concurrent enrollment in MFET 110 and MFET 230, each with a grade of "C" or better, or equivalent.

This is an industrial internship course for multiple programs under Engineering Technology field. Students apply technical knowledge learned in previous courses in the program to design and conduct experiments; analyze and interpret data; design manufacturing systems, processes and components; and identify, formulate and solve technical problems. Throughout the internship, students have opportunities to acquire new knowledge and sharpen their problem solving, communication and team work skills. The internship experience also helps students with personal growth, professional development and awareness of the impact of engineering solutions on the industry and society. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a course deactivation at Miramar College.

Proposed course deactivation at Miramar College:

~~112 Fundamentals of Fire Protection Chemistry~~
~~— 2 hours lecture, 2 units~~
~~Grade Only~~

~~Advisory: ENGL 051 & ENGL 056 & MATH 032, each with a grade of "C" or better, or equivalent, or Assessment Skill Level W5/R5/M20.~~

~~Limitation on Enrollment: This course is not open to students with previous credit for FIRE 112.~~

~~This course provides students with a non-mathematical fundamental understanding of basic chemical principles including matter, energy, and chemical reactions as they apply to fire protection. The course emphasizes how basic chemical principles relate to fire protection by using real world examples relevant to fire fighters working in the field. (FT) Associate Degree Credit only and not Transferable.~~

ACTION

Adoption of new courses at City College.

Proposed courses at City College:

103 Introduction to Community Health Work
3 hours lecture, 3 units
Grade Only

Advisory: ENGL 051 & ENGL 056, each with a grade of "C" or better, or equivalent or Assessment Skill Level W5/R5. Completion of or concurrent enrollment in PERG 127 with a grade of "C" or better, or equivalent.

This course is an introductory study of the field of Community Health Work (CHW). Emphasis is placed on the role of the Community Health Worker within the health care system as promoters of health and healthy living in the community. Topics include healthy living and optimal wellness education, public and preventive health. This course is designed for students interested in Community Health Work and is required for students pursuing Certificates in Community Health Work. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

106 Introduction to Youth Development Work
3 hours lecture, 3 units
Grade Only

This course is a theoretical and practical study of youth development work. Emphasis is placed on preparing youth workers to assist and mentor young people through youth development and workforce readiness programs. This course is designed for students interested in the field of youth development and is required for students pursuing the Certificate Program in Youth Development Work. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at City College.

Proposed new course at City College:

110 Desktop Support Technician I
2 hours lecture, 3 hours lab, 3 units
Grade Only

Advisory: Completion of or concurrent enrollment in INWT 100 with a grade of "C" or better, or equivalent. This course prepares students with the knowledge and skills required to take and pass the first Microsoft Desktop Support Technician exam (Exam 70-271). Students completing this course are prepared for an entry level position in the desktop support industry. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at City College.

Proposed new course at City College:

250 Manufacturing Capstone Course
1 hour lecture, 9 hours lab, 4 units
Grade Only

Prerequisite: MFET 101 and MFET 105 and MFET 115, each with a grade of "C" or better, or equivalent.

Corequisite: Completion of or concurrent enrollment in MFET 110 and MFET 230, each with a grade of "C" or better, or equivalent.

This is a capstone course for the Manufacturing Engineering Technology program. It provides students the opportunity to apply a combination of skills and knowledge to solve an industrial manufacturing problem. Students work together in groups to tackle an integrated, technical problem selected by industry and approved by program faculty. Topics include, but are not limited to, manufacturing materials and processes, design, quality, lean manufacturing and automation. This course is intended solely for students enrolled in the last semester of the Manufacturing Engineering Technology program, and is a major requirement. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of new courses at City, Mesa & Miramar Colleges.

Adoption of one course deactivation at Mesa College.

Proposed new courses at City, Mesa, & Miramar Colleges:

015A Prealgebra Refresher

**3 hours lab, 1 unit
Credit/No Credit Only**

This course is intended for those students who have completed the math assessment with a level of M20 (prealgebra) and wish to improve their placement level; those students who have successfully completed Math 35 but need more review; or students who unsuccessfully attempted Math 95 and need review of prealgebra skills. The course will consist of lecture classes and/or independent study using a computer program to refresh those concepts identified as needed for each student. Successful completion of this course may serve as a basis for a petition to challenge MATH 35. This course will not replace a failing grade in Math 35. Not Applicable to Associate Degree, pre-collegiate basic skills - reading, writing, computation.

015B Elementary Algebra Refresher

**3 hours lab, 1 unit
Credit/No Credit Only**

This course is intended for those students who have completed the math assessment with a level of M30 (beginning algebra) and wish to improve their placement level; students who have successfully completed Math15A; students who have successfully completed Math 95 but need more review; or students who unsuccessfully attempted Math 96 and need review of beginning algebra skills. The course will consist of lecture classes and/or independent study using a computer program to refresh those concepts identified as needed for each student. Successful completion of this course may serve as a basis for a petition to challenge Math 95. This course will not replace a failing grade in Math 95. Not Applicable to Associate Degree, pre-collegiate basic skills - reading, writing, computation.

015C Intermediate Algebra Refresher

**3 hours lab, 1 unit
Credit/No Credit Only**

This course is intended for those students who have completed the math assessment with a level of M40 (intermediate algebra) and wish to improve their placement level; students who have successfully completed Math15B; students who have successfully completed Math 96 but need more review; or students who unsuccessfully

attempted Math 104, 116, 141 or 210A and need review of intermediate algebra skills. The course will consist of lecture classes and/or independent study using a computer program to refresh those concepts identified as needed for each student. Successful completion of this course may serve as a basis for a petition to challenge Math 96. This course will not replace a failing grade in Math 96. Not Applicable to Associate Degree, pre-collegiate basic skills - reading, writing, computation.

Proposed course deactivation at Mesa College:

033 Math for the Math Anxious

**— 5 hours lecture, 5 units
Letter Grade or Credit/No Credit Option**

Advisory: ENGL 042 & ENGL 043, each with a grade of "C" or better, or equivalent or Assessment Skill Level R4/W4.

~~This course covers the development of self confidence, effective study skills, and test taking techniques for mathematics, as well as the fundamentals of arithmetic.—A variety of non-traditional materials and techniques are used in the presentation of concepts. Short essays and other appropriate writing assignments are required. (FT) Not Applicable to Associate Degree, pre-collegiate basic skills, English as a Second Language.~~

ACTION

Adoption of reactivated courses for City College and a new course at Mesa College.

Proposed reactivated courses and new course for City and Mesa Colleges:

130A College Chorus I

**1 hour lecture, 2 hours lab, 1.5 units
Letter Grade or Credit/No Credit Option**

This course is an entry-level introduction to choral singing for potential music majors. Emphasis is placed on developing good vocal tone, intonation, and breath support. Students rehearse and perform easy choral literature arranged for soprano, alto, tenor and bass with piano accompaniment, including but not limited to selections from Broadway musicals, popular and light classical genres. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

130B College Chorus II

**1 hour lecture, 2 hours lab, 1.5 units
Letter Grade or Credit/No Credit Option**

Advisory: MUSI 130A with a grade of "C" or better, or equivalent.

This course is an intermediate-level exploration of choral singing for potential music majors. Emphasis is placed on developing the musical ear, intonation, diction and independence within a choral section. Students rehearse and perform intermediate-level choral literature arranged for soprano, alto, tenor and bass with piano accompaniment, including but not limited to selections from Broadway musicals, popular and light classical genres. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

130C College Chorus III

**1 hour lecture, 2 hours lab, 1.5 units
Letter Grade or Credit/No Credit Option**

REQUISITES:

Advisory: MUSI 130B with a grade of "C" or better, or equivalent.

This course is an intermediate to advanced level exploration of choral singing for potential music majors. Emphasis is placed on further developing the musical ear, diction, sight-singing pitch, and independence within a choral section or small ensemble. Students rehearse and perform intermediate to advanced level choral literature arranged for soprano, alto, tenor and bass with and without piano accompaniment, including but not limited to selections from standard classical repertory in English and Latin. Students rehearse and perform a cappella literature arranged for soprano, alto, tenor and bass. (FT) Associate

Degree Credit & transfer to CSU and/or private colleges and universities.

130D College Chorus IV

**1 hour lecture, 2 hours lab, 1.5 units
Letter Grade or Credit/No Credit Option**

Advisory: MUSI 130C with a grade of "C" or better, or equivalent.

This course is an advanced-level exploration of choral singing for potential music majors. Emphasis is placed on further developing the musical ear, identifying aspects of musical notation, sight-singing, and exploring a wider range of choral literature. Students rehearse and perform advanced-level contrapuntal "a cappella" choral literature arranged for soprano, alto, tenor and bass as both part of a larger ensemble and in solo quartets. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

212 Vocal Ensemble

**1 hour lecture, 3 hours lab, 2 units
Grade Only**

Advisory: MUSI 120 with a grade of "C" or better, or equivalent.

MUSI 268A with a grade of "C" or better, or equivalent.

Limitation on Enrollment: Tryout or Audition. Students must audition to enroll in this class. This course is not open to students with previous credit for Music 212 A, B, C and D.

The Vocal Ensemble is an intermediate choral ensemble that focuses on developing music-reading and vocal skills in the preparation and performance of a wide variety of choral works. Enrollment is by audition. Members are expected to have some previous choral, and vocal experience. This course may be taken four times for credit so that students have the opportunity to improve their rehearsal and performance skills by performing new repertoire each semester. Attendance at rehearsals and performances is required. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at City, Mesa, and Miramar Colleges.

Proposed new course at City, Mesa, and Miramar Colleges:

195 Mechanics

4 hours lecture, 3 hours lab, 5 units

Letter Grade or Credit/No Credit Option

Prerequisite: MATH 150 with a grade of "C" or better, or equivalent.

Corequisite: MATH 151 with a grade of "C" or better, or equivalent.

Advisory: ENGL 051 & ENGL 056, each with a grade of "C" or better, or equivalent or Assessment Skill Level W5/R5.

Limitation on Enrollment: This course is not open to students with previous credit for Physics 195A and Physics 196A.

The Physics 195, 196, 197 sequence is designed to give a foundation in calculus-based physics for engineering and science majors. Physics 195 deals primarily with the description of motion, Newton's Laws, energy, momentum, rotation, gravity, oscillatory motion, and thermodynamics. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at City College.

Proposed new course at City College:

051 Introduction to the Radio Frequency Technology

Industry

2 hours lecture, 3 hours lab, 3 units

Grade Only

This course is a study of the San Diego Radio Frequency (RF) Microwave Technology industry. Emphasis is placed on understanding the current needs of the San Diego RF job market and gaining those skills in follow-on courses to obtain gainful employment. Course content includes identifying several RF companies in the San Diego area, discovering common job titles, defining the range of salaries and understanding common RF skill sets required for RF Technician positions. This course is designed for students seeking employment in the Wireless Telecommunication Industry. (FT) Associate Degree Credit only and not Transferable.

052 RF Microwave Technology I

2 hours lecture, 3 hours lab, 3 units

Grade Only

This course is a basic study of basic Radio Frequency (RF) Microwave Technology. Emphasis is place on the assembly process related to RF Technology, including the testing and tuning of RF circuits. This course is designed for students seeking employment in the Wireless Telecommunications Industry. (FT) Associate Degree Credit only and not Transferable

053 RF Microwave Technology II

2 hours lecture, 3 hours lab, 3 units

Grade Only

This course is an intermediate study of Radio Frequency (RF) Microwave Technology. Emphasis is placed on the assembly processes related to RF, including common circuits and test measurement methods. This course is designed for students seeking employment in the Wireless Telecommunications Industry. (FT) Associate Degree Credit only and not Transferable.

054 RF Microwave Technology III

2 hours lecture, 3 hours lab, 3 units

Grade Only

This course in an advanced study of RF Microwave Technology. Emphasis is placed on the use and care of RF test equipment. This course is designed for students seeking employment in the Wireless Telecommunication Industry. (FT) Associate Degree Credit only and not Transferable.

ACTION

Adoption of a new course at Miramar College.

Proposed new course at Miramar College:

223 Globalization and Social Change

3 hours lecture, 3 units

Letter Grade or Credit/No Credit Option

Prerequisite: SOCO 101 with a grade of "C" or better, or equivalent.

Advisory: ENGL 051 & ENGL 056, each with a grade of "C" or better, or equivalent or Assessment Skill Level W5/R5.

This course evaluates the social and political changes brought on by globalization among industrialized, industrializing, and underdeveloped nations. It presents arguments and theories for and against globalization and supplements with empirical examples. The course is useful for those considering careers in law, politics, business, teaching, and non-profit organizations dealing with human rights issues, political advocacy, and international affairs. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at City and Miramar College.

Proposed new course at City and Miramar College:

086 Spanish for Law Enforcement Officers

1 hour lecture, 1 unit

Letter Grade or Credit/No Credit Option

Advisory: SPAN 201 with a grade of "C" or better, or equivalent. Students are recommended to have some previous knowledge of the Spanish language before enrolling in SPAN 086A.

This course is open to any student that may or may not be pursuing a career in law enforcement. It is a practical study of Spanish for students employed in the field of law enforcement, especially those enrolled in the San Diego Police Department Language Certificate Program.

Emphasis is placed on developing Spanish language skills and cultural understanding through activities and role play related to application in the field of law enforcement. In addition to students enrolled in the San Diego Police Department Language Certificate Program, this course is open to those working in other areas of law enforcement, such as the County Sheriff's Department and the Border Patrol. (FT) Associate Degree Credit only and not Transferable.