

January 25, 2007

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 one new course at Miramar College	Attachment A
Aviation Maintenance Technology	Adoption of three new courses at Miramar College.	Attachment B
Engineering Technology	Adoption of two new courses at City College	Attachment C
Fire Protection Technology	Adoption of one new course at Miramar College.	Attachment D
Multimedia	Adoption of one new course at Mesa College.	Attachment E
Music	Adoption of one new program at Miramar College.	Attachment F
Women's Studies	Adoption of one new program at Mesa College.	Attachment G

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.

Henry T. Ingle, Ph.D.
Vice Chancellor
Instructional Services, Planning and Technology

ACTION

Adoption of one new course at Miramar College.

Proposed course at Miramar College:

151 Helicopter Pilot Ground School
3.00 hours lecture, 3.00 units
Grade Only

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.

This course provides an introduction to helicopter operations and careers. Topics include the aerodynamic principles of helicopter flight; helicopter instruments, engines, and systems; helicopter performance and operating characteristics; and airports, airspace, weather, weather services, and navigation (as it pertains to helicopter operations). (FT) Associate Degree
Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of three new courses at Miramar College.

Proposed courses at Miramar College:

052 Survey of Aviation Industry
1 hour lecture, 2 hour lab, 1.5 units
Letter Grade or Credit/No Credit Option

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.

This course introduces students to the aviation and aerospace industry and provides them with fundamental knowledge for further study in the field. Students learn about the evolution, history, and structure of the aviation and aerospace industry as well as the rules and regulations governing aviation operations. They review the current state of the industry, future directions in the field, and career options and training requirements. The course also provides students with a hands-on introduction to basic aviation maintenance skills. (FT) Associate Degree Credit only and not Transferable.

101G General Aviation Technology Theory I
6 hours lecture, 6 units
Grade Only

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.

Limitation on Enrollment: This course is not open to students with previous credit for AVIM 100, 101A, or 101B.

This course introduces students to the theory of basic aerodynamics. Students learn about aircraft nomenclature and structure, stability, primary and secondary flight controls, and fixed and rotary wing principles of operation. Topics include Federal Aviation Administration (FAA) and manufacturers' aircraft specifications, data sheets, manuals, publications, and related Federal Aviation Regulations, forms, and records. The course also covers weight and balance theory and ground operation and servicing. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

101H General Aviation Technology Theory II
6 hours lecture, 6 units
Grade Only

Corequisite: Completion of or concurrent enrollment in AVIM 101G with a grade of "C" or better, or equivalent.

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.

Limitation on Enrollment: This course is not open to students with previous credit for AVIM 100, 101C, 101D.

This course introduces students to the theory of aircraft fuel systems and components, instrumentation, and aircraft materials and processes. Topics include fuel management, fueling and defueling systems, dump systems, fluid lines and fittings, airframe instrument systems, corrosion control, aircraft hardware identification, materials and processes, and non-destructive testing. Students also practice documenting aircraft inspections and repairs. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of two new courses at City College.

Proposed courses at City College:

124 Engineering Design and Development
2 hours lecture, 3 hours lab, 3 units
Grade Only

This course is a hands-on, project-based study of the field of Engineering Design. Emphasis is placed on providing students with practical knowledge related to the field, including the fundamentals of design, portfolio development, sketching, modeling, dimensioning, presentation, production and marketing. This class is designed for advanced-level high school students interested in engineering or engineering technology. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities

126 Engineering Computer Integrated Technology
2 hours lecture, 3 hours lab, 3 units
Grade Only

This course is a hands-on, project-based study of the integration of computers in the field of Engineering. Emphasis is placed on providing students with working knowledge of Computer Modeling, Computer Numerical Control (CNC), Computer-aided Manufacturing (CAM) software, robotics and automation, and Computer Integrated Manufacturing (CIM). This class is designed for advanced-level high school students interested in pursuing an academic or vocational career in engineering or engineering technology. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities

ACTION

Adoption of one new course at Miramar College.

Proposed course at Miramar College:

**3100 Intermediate Wildland Fire
Behavior S-290**

1.5 hours lecture, 1.5 units

Grade Only

Advisory: English 51 and English 56, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5 and R5.

This classroom-based skills course prepares prospective supervisors to undertake safe and effective fire management operations. This second course in a series continues developing fire behavior prediction knowledge and skills. Students also focus on fire environment differences and local conditions. (FT) Associate Degree Credit only and not Transferable.

ACTION

Adoption of one new course at Mesa College.

Proposed course at Mesa College:

116 Flash Game Development

3 hours lecture, 3 hour lab, 4 units

Grade Only

Advisory: Multimedia 112 and 114, each with a grade of "C" or better, or equivalent.

Intended for both game and Web developers, this course will teach how to maximize Flash for the creation of online and standalone games. The entire development process is covered: design, story and character development, the physics and motion of a game, audio issues, optimization, and deployment. The student must have basic prior knowledge of Flash ActionScripting. (FT)

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

Music

PROGRAM REVIEW

Pursuant to Section 78016 of the Education Code, the following is a program review summary:

- A. Labor Market¹: The annual average number of persons employed in the Music Production and Engineering program area for Sound Engineering Technicians are 3,300 in the 2004 employment year. The annual average number of persons employed in the Music Production and Engineering program area for Audio and Video Equipment Technicians are 7,900 in the 2004 employment year. Approximately 800 additional job openings in the area of Sound Engineering Technicians are projected through 2014. Approximately 1,800 additional job openings in the area of Audio and Video Equipment Technicians are projected through 2014.
- B. Duplication²: Similar programs are offered at Southwestern College and Mira Costa College.
- C. Effectiveness³: Program area OR the projected enrollment 60 student for 2008 in a New Program area.

- 1 Information was obtained from www.labormarketinfo.edd.ca.gov.
- 2 Information was obtained by the school dean at San Diego Miramar College from the Region 10 schools 2006-2007 catalogs.
- 3 Information was obtained from student demand and request at San Diego Miramar College.

ACTION

Adoption of New Program at Miramar College.

Proposed New Program at Miramar College:

**Associate in Science Degree:
Music**

Music Production and Engineering

Courses Required for the Major:	Units
MUSI 108, The Business of Music.....	3
MUSI 150A, Basic Musicianship	3
MUSI 158A, Music Theory I.....	4
MUSI 190, The Electronic Music Studio	3
MUSI 201, Recording Arts.....	3
MUSI 202, Computer Music	3
MUSI 205A, Projects in Electronic Music	3
MUSI 205B, Projects in Electronic Music	3
MUSI 268A, Beginning Ear Training Laboratory I... 1	
Total Units = 26	

Women's Studies

ACTION

Adoption of one new program at Mesa College.

Proposed program at Mesa College:

**Certificate of Completion:
Women's Studies**

Courses Required:	Units
PHIL 125, Philosophy of Women	3
PHIL 126, Introduction to Philosophy of Contemporary Gender Issues.....	3
OR PSYC 133, Psychology of Women.....	3
Select Three Additional Courses from:	
BLAS 150, Black Women in Literature and the Media	3
BLAS 175, Psycho-History of Racism and Sexism...	3
CHIC 170, La Chicana	3
HIST 141, Women in the United States History I	3
HIST 142, Women in the United States History II....	3
PHIL 126, Introduction to Philosophy of Contemporary Gender Issues.....	3
PSYC 133, Psychology of Women.....	3
Total Units = 15	