

## Board Docket for 5/12/05

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:

Computer and Information Sciences	Adoption of a new course Mesa College.	Attachment A
Information, Network, and Web Technologies	Adoption of a new course City College.	Attachment B
Labor Studies	Adoption of two new courses City College.	Attachment C
Manufacturing Engineering Technology	Adoption of two new courses City College.	Attachment D
Multimedia	Adoption of a new course Mesa College.	Attachment E
Physical Education	Adoption of a new course City College.	Attachment F
Political Science	Adoption of course deactivation at Mesa.	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.

Otto W. K. Lee  
Interim Assistant Chancellor  
Instructional Services, Planning and Technology

ACTION

Adoption of course activation at Mesa College.

Proposed course activation at Mesa:

**187 Data Structures and Object-Orientation**  
**3 hours lecture, 3 hours lab, 4 units**  
**Grade Only**

This course introduces students to the topic of data structures and object-oriented software engineering. It covers basic data structures such as collections and linked structures (e.g. stacks, queues, lists, arrays, trees, and hashes) from the perspective of object-oriented implementation. It discusses issues of object-oriented analysis, design, and implementation in popular programming languages such as C++, C#, and Java. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of course activation at City College.

Proposed course activation at City:

**100 Survey of Operating Systems**  
**3 hours lecture, 3 hours lab, 4 units**  
**Grade Only**

This project-based course is a survey of several operating systems (OS) and provides students with the opportunity to gain hands-on experience in the installation and configuration of desktop operating systems. The students work with one legacy, two current Windows, and a current version of a Linux operating systems. This course is intended for students seeking a degree or career in Information Technology and provides students with concepts and practices which includes the installation and configuration of client systems used in the Help Desk, Systems Administration, and support technician fields. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of course activations at City College.

Proposed course activations at City:

**124 California Labor Law**

**1 hour lecture, 1 unit**

**Letter Grade or Credit/No Credit Option**

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

This course provides a basic knowledge of the California Labor Code and Wage Orders and the Industrial Welfare Commission. Examples of the uses of Labor Code and Employment Laws are studied. Students learn to apply their knowledge of the laws--how they are violated and how they are enforced--to case studies as well as to their current or past workplace experiences. This course is designed for students who are employees and/or union members, as well as workers who are in leadership roles or are preparing for leadership positions in their workplace or unions. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**127 Labor Law for the Public Sector**

**1 hour lecture, 1 unit**

**Letter Grade or Credit/No Credit Option**

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

This course covers legal issues affecting public employee relations on the federal, state, and local levels, including development of public sector unionism, recent collective bargaining legislation, and dispute resolution in the public sector. This course is designed for students who are public sector employees and/or union members, and workers who are in leadership roles or are preparing for leadership positions in their workplace or unions. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of course activations at City College.

Proposed course activations at City:

**115 Properties of Materials**

**2.5 hours lecture, 1.5 hours lab, 3 units**

**Letter Grade or Credit/No Credit Option**

*Advisory:* English 51 and 56 each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5/R5 and MATH 035 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.

This lecture/lab course is a study of the chemical, physical and mechanical properties of industrial materials including metals, ceramics, polymers and composites. The course emphasizes the processes and tests used with different industrial materials during the manufacturing cycles. This course is designed for Manufacturing Engineering Technology students who are currently working in a manufacturing plant or pursuing a career in engineering technology fields. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**120 Manufacturing Processes**

**3 hours lecture, 3 hours lab, 4 units  
Grade Only**

*Advisory:* English 51 and 56 each with a grade of "C" or better, or equivalent. or Assessment Skill Levels W5/R5. and MATH 035 with a grade of "C" or better, or equivalent or Assessment Skill Level M30.

*Advisory:* Completion of or concurrent enrollment in Manufacturing Engineering Technology 115 with a grade of "C" or better, or equivalent.

This lecture/lab course provides basic understanding of how raw materials, including metals, polymers, ceramics and composites, are converted to finished products. In this course, students study commonly used methods of manufacturing, understand the pros & cons of different industrial techniques. Students also learn key terms in manufacturing, and identify various types of equipment in common manufacturing processes. This course is designed for students who are pursuing a career in engineering or engineering technology fields, or working in a manufacturing industry. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of course activation at Mesa College.

Proposed course activation at Mesa:

**114 Intermediate Flash**

**3 hours lecture, 3 hours lab, 4 units**

**Letter Grade or Credit/No Credit Option**

*Advisory:* Multimedia 112 with a grade of "C" or better, or equivalent.

This is a projects-based intermediate Flash course developing skills in digital image media design, time-based media design systems, and World Wide Web based media design and techniques of Macromedia Flash ActionScript. Basic programming skills will be acquired by those students who have no programming background but want to continue to develop web technologies using Flash. Hands-on experience developing interactive web-based multimedia presentations incorporating ActionScript, sound, and graphics will be taught. This course is required for the Associate Degree in Multimedia. Associate Degree Credit & transfer to CSU and/or private colleges and universities.

Physical Education

ACTION

Adoption of course activation at City College.

Proposed course activation at City:

**104 Step Aerobics**

**3 hours lab, 1 units**

**Letter Grade or Credit/No Credit Option**

Step Aerobics is a rigorous exercise course designed to increase both the fitness levels of participating students and their understanding of what constitutes a safe and effective exercise program. Instruction includes a balanced exercise program of step aerobics, toning, stretching, and relaxation along with discussion of related health topics. Associate Degree Credit & transfer to CSU and/or private colleges and universities.

Political Science

ACTION

Adoption of course deactivation at Mesa College.

Proposed course deactivation at Mesa:



**172 Twentieth-Century Revolutionary Movements  
on Film**

**3 hours, 3 units**

**Letter Grade or Credit/No Credit Option**

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

A film class designed to illustrate selected 20th century revolutionary movements on film. Four major movements are analyzed incorporating media produced by members of those revolutions when available. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.