

Board Docket for 4/14/05

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:

Aviation	Adoption of course deactivations at Miramar College	Attachment A
Computer Business Technology	Adoption of a course deactivations at City College	Attachment B
Computer and Information Sciences	Adoption of a new course at City and Mesa College.	Attachment C
Manufacturing Technology	Adoption of course deactivations at City College.	Attachment D
Microsoft	Adoption of a new course at City College.	Attachment E
Philosophy	Adoption of a new course at City and Mesa Colleges.	Attachment F

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 deactivations at Miramar Colleges.

Proposed course deactivation at Miramar:

130 Aviation Weather and Physiology
————— **3 hours lecture, 3 units**
Grade Only

Advisory: English 51 and English 56 each with a grade of "C" or better or equivalent, or Assessment Skill Level R5; and Mathematics 032 with a grade of "C" or better, or equivalent, or Assessment Skill Level M20.

Students learn about meteorology and physiology as they apply to private, instrument, and commercial pilots and flight instructors. Specific topics include weather theory, the effects of weather on aircraft, and the collection, dissemination, interpretation, and use of weather data. Students also learn about the physiological aspects and hazards of flight including the effects of reduced oxygen, motion, drugs, alcohol, and stress on the body. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

140 Private Pilot Aeronautical Instruction
————— **3 hours lecture, 3 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; and Mathematics 032 with a grade of "C" or better, or equivalent, or Assessment Skill Level M20.

This course provides basic aeronautical knowledge for the beginning pilot. Instruction includes the principles of flight, engine operations, aircraft performance, Federal Aviation Regulations, flight publications, and a special emphasis on air navigation. This course, with Aviation 130, fulfills all requirements for the Federal Aviation Administration (FAA) Private Pilot written knowledge test. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

200 Commercial Pilot Instruction
————— **3 hours lecture, 3 units**
Grade Only

Advisory: Aviation 140 and English 56 each with a grade of "C" or better or equivalent, or Assessment Skill Level R5; and Mathematics 032 with a grade of "C" or better, or equivalent, or Assessment Skill Level M20.

This course provides advanced instruction in aerodynamics, aircraft engine operating principles, large and multi-engine aircraft systems and performance, weight and balance, and stability and navigation. Completion of this course, together with Aviation 130, prepares the student for the FAA Commercial Pilot written examination. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

210 Instrument Rating Instruction
3 hours lecture, 3 units
Grade Only

Advisory: Aviation 140 or a Private Pilot Certificate satisfies the Aviation 140; and English 51 and English 56 each with a grade of "C" or better or equivalent, or Assessment Skill Levels W5 and R5; and Mathematics 032 with a grade of "C" or better, or equivalent, or Assessment Skill Level M20.

This course provides aeronautical knowledge for the Instrument Rating. Students learn about applicable Federal Aviation Regulations, basic instrument flight, electronic aids to navigation, the National Airspace System, navigation charts, air traffic control procedures, Instrument Flight Rules (IFR) flight procedures, and flight planning. This course in conjunction with AVIA 130 prepares students for the Federal Aviation Administration (FAA) Instrument Rating written examination. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of course deactivations at City Colleges.

Proposed course deactivation at City:

**~~121A Microsoft Certification Lab – Word – Core
.75 hours lecture, .75 hours lab, 1 unit
Letter Grade or Credit/No Credit Option~~**

Advisory: CBTE 122 with a grade of "C" or better, or equivalent, or demonstrated competence in Microsoft Word 2000.

~~This class provides students with a hands-on review of Word 2000 for Microsoft Office User Specialist: Microsoft Word 2000. As a proficient user at the core level, the student creates single and multiple page letters and memos, faxes, envelopes or mailing labels, basic reports, resumes, time sheets and Word documents for the Intranet/Internet. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.~~

**~~121B Microsoft Certification Lab – Word – Expert
.75 hours lecture, .75 hours lab, 1 unit
Letter Grade or Credit/No Credit Option~~**

Advisory: CBTE 121A with a grade of "C" or better, or equivalent, or demonstrated competence in Microsoft Word 2000.

~~This class provides students with a hands-on review of Word 2000 for Microsoft Office User Specialist: Microsoft Word 2000 Expert. As a proficient user at the core level, the student creates single and multiple page letters and memos, faxes, envelopes or mailing labels, basic reports, resumes, time sheets and Word documents for the Intranet/Internet. As an expert user, the student also creates personalized form letters, formal reports, technical reports, proposals, studies, newsletters, brochures, manuals, and forms. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.~~

**~~141A Microsoft Certification Lab – Excel – Core
.75 hours lecture, .75 hours lab, 1 unit
Letter Grade or Credit/No Credit Option~~**

~~This class provides students with a hands-on review of Excel 2000 for Microsoft Office User Specialist: Microsoft Excel 2000. As a proficient user at the core level, the student creates budgets, marketing and sales reports, expense reports, invoice and purchase orders, basic financial statements, and spreadsheet information for use on the Intranet/Internet. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.~~

**~~141B Microsoft Certification Lab – Excel – Expert
.75 hours lecture, .75 hours lab, 1 unit
Letter Grade or Credit/No Credit Option~~**

Advisory: CBTE 141A with a grade of "C" or better, or equivalent, or demonstrated competence in Microsoft Excel 2000.

~~This class provides students with a hands-on review of Excel 2000 for Microsoft Office User Specialist: Microsoft Excel 2000 Expert. As a proficient user at the core level, the student creates budgets, marketing and sales reports, expense reports, invoice and purchase orders, basic financial statements, and spreadsheet information for use on the Intranet/Internet. As an expert user, the student also creates accounting and financial statements, data analysis, statistical tables, amortization schedules, forecasts, personnel records, and lists. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.~~

**~~151A Microsoft Certification Lab – Access – Core
.75 hours lecture, .75 hours lab, 1 unit
Letter Grade or Credit/No Credit Option~~**

Advisory: CBTE 151 with a grade of "C" or better, or equivalent, or demonstrated competence in Microsoft Access 2000.

~~This class provides students with a hands-on review of Access 2000 for Microsoft Office User Specialist: Microsoft Access 2000 Core User. As a Core user the student creates databases for individual or small workgroup uses. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.~~

**~~151B Microsoft Certification Lab – Access – Expert
.75 hours lecture, .75 hours lab, 1 unit
Letter Grade or Credit/No Credit Option~~**

Advisory: CBTE 151A with a grade of "C" or better, or equivalent, or demonstrated competence in Microsoft Access 2000.

~~This class provides students with a hands-on review of Access 2000 for Microsoft Office User Specialist: Microsoft Access 2000 Expert. As an expert user the student creates databases for individual or small workgroup uses. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.~~

164A Microsoft Certification Lab Outlook Core

.75 hour lecture, .75 hour lab, 1 unit

Grade Only

Advisory: Completion of or concurrent enrollment in Computer Business Technology 164.

This course provides students with a hands-on review of the latest version of Outlook for Microsoft Office User Specialist: Microsoft Outlook. As a proficient user at the core level, the student develops the skills to send/retrieve messages, schedule appointments, schedule tasks, create and edit contacts, use the contact list to send e-mail messages, use journal entries, and post notes. Emphasis is placed on in-class practice tests to prepare for the MOUS exam. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

171A Microsoft Certification Lab Power Point Core

.75 hours lecture, .75 hours lab, 1 unit

Letter Grade or Credit/No Credit Option

Advisory: Computer & Information Sciences 128 with a grade of "C" or better, or equivalent, or demonstrated competence in Microsoft Power Point 2000.

This class provides students with a hands-on review of Power Point 2000 for Microsoft Office User Specialist: Microsoft Power Point 2000 Core. As a Core user the student creates presentations that will be delivered over a variety of media. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

171B Microsoft Certification Lab Power Point Expert

.75 hours lecture, .75 hours lab, 1 unit

Letter Grade or Credit/No Credit Option

Advisory: Computer Business Technology 171A with a grade of "C" or better, or equivalent, or demonstrated competence in Microsoft Power Point 2000.

This class provides students with a hands-on review of Power Point 2000 for Microsoft Office User Specialist: Microsoft Power Point 2000 Expert. As an Expert user the student is not only proficient in skills required at the core level, but also masters more advanced presentation skills. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at City and Mesa Colleges.

Proposed new course at City and Mesa:

193 Microsoft C# Software Engineering 1
3 hours lecture, 3 hours lab, 4 units
Grade Only

This course applies industry-standard software engineering principles to the study of the object-oriented, general purpose programming language Microsoft C#, a member of the Microsoft Visual Studio.NET software development toolset. Coverage includes the typical topics of an introductory programming course. Extensive hands-on training is included in the laboratory sessions. This course can be offered in-class or online. This course is designed for students pursuing a degree in Computer Science or Information Systems and for vocational/professional students who are updating their programming skills set.
(FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of course deactivations at City College.

Proposed course deactivations at City:

100 Manufacturing Metrics and Calculations

**3 hours, 3 units
Grade Only**

This course covers basic applications of mathematical concepts required for effective performance as an automation technician or machine technologist in the machine tool industry. Problem examples will be taken from machines and equipment that are typically found in the modern industrial manufacturing facility. Associate Degree Credit and not Transferable.

111 Industrial Programming Theory

**3 hours, 3 units
Grade Only**

This course covers the basic digital mathematical concepts required for effective performance as an automation technician or machine technologist in the computerized machine tool industry. This course will include examples taken from computers or microprocessor systems that are typically found in the modern industrial manufacturing facility, such as industrial computers, programmable logic controllers, and microprocessor based control systems. (FT) Associate Degree Credit and not Transferable.

200 Industrial Electronics/Electricity

**2 hours lecture, 6 hours lab, 4 units
Grade Only**

Through the use of hands on experimentation and classroom lectures, the principles of operation of common electronic/electrical components are introduced. This course includes Ohm's law, component testing, and the use of test equipment. It also includes the theory of operation of various components such as switches, relays, transformers, motors, sensors, and diodes. (FT) Associate Degree Credit and not Transferable.

205 Motion Control/Servo Systems

**2 hours lecture, 6 hours lab, 4 units
Grade Only**

This course involves the study of the types of control circuits used to control industrial equipment, including motor, process, and hydraulic controls. In addition, this course includes the types of feedback systems employed in control systems and their theory of operation. An emphasis will be placed upon closed

loop servo systems and their theory of operation. The students will experience hands on interaction with these control systems through laboratory experiments. (FT) Associate Degree Credit and not Transferable.

210 Fluid Power Technology

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

This course will investigate the basic principles of hydraulics and pneumatics through the use of hands on experiments and classroom lectures. In addition, this course will explore various hydraulic and pneumatic systems, circuits, components, and applications. (FT) Associate Degree Credit and not Transferable.

215 Programmable Logic Controllers

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

The study of concepts associated with the operation, construction, interfacing, and programming of programmable logic controllers. The student will explore the relationship between symbolic reasoning using Boolean concepts and the solution of control problems in modern industrial equipment. In addition, the student will conduct experiments with digital circuits to understand digital logic concepts. This course includes hands on laboratory experiences in constructing, operating, configuring, and programming programmable logic controllers. (FT) Associate Degree Credit and not Transferable.

220 Industrial Machine Technology

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

A survey course designed to provide the student with an overview of typical machine shop operations and an introduction to welding technology. (FT) Associate Degree Credit and not Transferable.

225 Flexible Manufacturing Systems/Robotics

**2 hours lecture, 6 hours lab, 4 units
Grade Only**

This course covers the design, installation, operation, maintenance, and record keeping of a Flexible Manufacturing System. The role of robots in flexible manufacturing is included, along with the theory and programming of these robots. In the laboratory, the student will learn to assemble, interface, troubleshoot, and repair various automated equipment and robots during the construction of a flexible manufacturing cell. (FT) Associate Degree Credit and not Transferable.

ACTION

Adoption of a new course at City College.

Proposed new course at City:

**138 Planning, Implementing, and Maintaining a
Microsoft Windows Server Active Directory
Infrastructure**

.5 hours lecture, 3 hours lab, 1.5 units

Letter Grade or Credit/No Credit Option

Prerequisite: Microsoft 130 and Microsoft 132 with a grade of "C" or better, or equivalent.

This course is one of the core courses covering Microsoft's Active Directory Services (ADS) and is required for the Microsoft Certified Systems Engineer (MCSE) Certification. The students work with a current version of Microsoft's Windows Server Active Directory. This course provides students with hands-on practice in planning, implementing, and maintaining forests, sites, domains, and organizational units (OU) while following industry standards. This course follows the Microsoft Official Curriculum (MOC). It is intended to prepare students to take Microsoft's Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure Certification Exam (Microsoft exam 70-294) that is required for the MCSE certification. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities

ACTION

Adoption of a new course at City and Mesa Colleges.

Proposed new course at City and Mesa:

126 Introduction to Philosophy of Contemporary Gender Issues

3 hours lecture, 3 units

Letter Grade or Credit/No Credit Option

Advisory: English 101 with a grade of "C" or better, or equivalent, or Assessment Skill Levels W6 and R6.

This lower division course provides an introduction to the concepts of gender and gender relations for the student interested in the development of contemporary gender issues as they relate to philosophy. The images, roles, and beliefs about gender and gender relations as they vary across cultures will be explored with respect to their impact in our everyday lives and the larger societies within which we live. This course may be of special interest to students going into gender studies and women's studies. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.