

## Board Docket for 4/28/05

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 six new courses at Miramar College. Adoption of a course deactivation at Miramar College.	Attachment A
Computer Business Technology	Adoption of a course deactivations at City College.	Attachment B
Escrow Program	Adoption of a program deactivation Mesa College.	Attachment C
Geography	Adoption of a course deactivation Mesa College.	Attachment D
History	Adoption of a course deactivation Mesa College.	Attachment E
Machine Technology	Adoption of course deactivations at City College.	Attachment F
Political Science	Adoption of a course deactivation 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.

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

ACTION

Adoption of six new courses and one course deactivation at Miramar College

Proposed new courses and course deactivation at Miramar:

**101 Private Pilot Ground School**

**3 hours lecture, 0 hours lab, 3 units  
Grade Only**

*Advisory:* ENGL 051 and ENGL 056 and MATH 032 each with a grade of “C” or better or equivalent or Assessment Skill Levels W5/R5/M20.

This course provides an introduction to basic aeronautical science and the field of aviation. Instruction includes aerodynamics and the principles of flight; airplane instruments, engines, and systems; airports; air traffic control and airspace; Federal Aviation Regulations; aircraft performance; aeromedical factors and decision making; weather and weather services; navigation; and cross country planning. This course, combined with AVIA 133 (Human Factors in Aviation), fulfills all requirements for the FAA Private Pilot Knowledge Test. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities

**195 Basic Instrument Flight Procedures**

**3 hours lecture, 0 hours lab, 3 units  
Grade Only**

*Prerequisite:* AVIA 101 with a grade of “C” or better or equivalent. Private Pilot Certificate satisfies the AVIA 101 prerequisite.

*Advisory:* ENGL 051 and ENGL 056 and MATH 032 each with a grade of “C” or better or equivalent or Assessment Skill Levels W5/R5/M20

*Advisory:* Concurrent enrollment in AVIA 196 with a grade of “C” or better, or equivalent.

This course provides an introduction to basic instrument flight rules (IFR) procedures, regulations, and techniques. Designed for the beginning pilot, this course provides an introduction to airplane instruments and instrument flying techniques, IFR airspace and air traffic control procedures, pertinent Federal Aviation Regulations, IFR weather and weather services, aeromedical factors and decision making in instrument conditions, and IFR flight planning. Students should enroll concurrently in AVIA 196, Basic Instrument Flight Lab. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities

**196 Basic Instrument Flight Lab**

**0 hours lecture, 3 hours lab, 1 unit  
Grade Only**

*Prerequisite:* AVIA 101 with a grade of “C” or better or equivalent. Private Pilot Certificate satisfies the AVIA 101 prerequisite.

*Advisory:* ENGL 051 and ENGL 056 and MATH 032 each with a grade of “C” or better or equivalent or Assessment Skill Levels W5/R5/M20

*Advisory:* Completion of or concurrent enrollment in AVIA 195 with a grade of “C” or better, or equivalent.

This lab provides an introduction to basic instrument flight rules (IFR) procedures, regulations, and techniques through the use of an airplane flight simulator. Designed for the beginning pilot, this course provides an introduction to airplane instruments and instrument flying techniques, flight into IFR airspace and air traffic control procedures, pertinent Federal Aviation Regulations, IFR weather and weather services, aeromedical factors and decision making in instrument conditions, and IFR flight planning. Students should complete or enroll concurrently in AVIA 195 Basic Instrument Flight Procedures. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**199 Instrument Ground School**

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

*Advisory:* AVIA 101 with a grade of “C” or better or equivalent.

*Advisory:* ENGL 051 and ENGL 056 and MATH 032 each with a grade of “C” or better or equivalent or Assessment Skill Levels W5/R5/M20.

This course provides an overview of the aeronautical knowledge required to successfully take the Federal Aviation Administration's (FAA's) pilot knowledge test for the instrument rating and flight training using an airplane flight simulator. Instruction includes basic instrument flight techniques, airplane instruments and systems, airspace and air traffic control, Federal Aviation Regulations, aeromedical factors and decision making, weather and weather services, basic instrument flight techniques, navigational aids, charts, and publications, instrument flight rules, procedures, and planning. This course, combined with AVIA 133 (Human Factors in Aviation), fulfills all requirements for the FAA Instrument Rating knowledge test. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**201 Commercial Airline Pilot Instruction**  
**3 hours lecture, 0 hours lab, 3 units**  
**Grade Only**

**REQUISITES:**

*Advisory:* AVIA 101 with a grade of "C" or better or equivalent.

*Advisory:* ENGL 051 and ENGL 056 and MATH 032 each with a grade of "C" or better or equivalent or Assessment Skill Levels W5/R5/M20.

This course provides an overview of the aeronautical knowledge and job requirements for a commercial airline pilot. Instruction includes advanced study of aerodynamics, large and multi-engine aircraft systems, performance and weight and balance, air traffic control and airspace, Federal Aviation Regulations, aeromedical factors and decision making, weather and weather services, and international flight planning, navigation, and procedures. This course, combined with AVIA 133, Human Factors in Aviation, fulfills all requirements for the FAA commercial pilot knowledge test. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**212 Flight Instructor Ground School**  
**3 hours lecture, 3 hours lab, 4 units**  
**Grade Only**

*Advisory:* AVIA 101 & 128 & 133 & 199 & 201 each with a grade of "C" or better or equivalent.

Commercial Pilot Certificate satisfies the advisories.

*Advisory:* ENGL 051 and ENGL 056 and MATH 032 each with a grade of "C" or better or equivalent or Assessment Skill Levels W5/R5/M20.

This course provides an introduction to methods of flight instruction by integrating learning theory with an in depth study of aeronautical science. The course includes a flight simulator lab in which students practice flight instruction techniques. Course topics include creating an optimum adult learning environment and teaching the principles of flight, airplane systems and performance, Federal Aviation Regulations, aeromedical factors, weather, and navigation. Combined with AVIA 133 (Human Factors in Aviation), this course fulfills all requirements for the FAA fundamentals of instruction (FOI), flight instructor (CFI), and/or ground instructor (AGI) pilot knowledge tests. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**260 Flight Instructor, Ground Instruction**  
**3 hours lecture, 3 units**  
**Grade Only**

*Advisory:* Aviation 140 and English 51 and 56 and Mathematics 32, each with a grade of "C" or better, or equivalent, or Assessment Skills Level W5 and R5 and M20 or hold a Private Pilot Certificate. Students learn about the fundamentals of flight instruction and how people learn. Topics include instructional methods, aeromedical information important to the flight instructor, the integrated method of flight instruction, aerodynamics as related to aircraft performance and characteristics, the flight training syllabus, flight instructor responsibilities, flight training maneuvers and procedures, and Federal Aviation Regulations applicable to the flight instructor. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of course deactivations at City College.

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Proposed course deactivations at City:

**110A Introduction to Disk Operating Systems**  
**.75 hour lecture, .75 hour lab, 1 unit**  
**Grade Only**

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

*Limitation on Enrollment:* This course is not open to students with credit for Office Information Systems 151, 151A, or Computer Business Technology 110. This course covers the DOS command structure and terminology and introduces the major features of Windows 3.1, Windows 95, Windows 98, and Windows NT. 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.

**130A Introduction to Corel WordPerfect I**  
**.75 hours lecture, .75 hours lab, 1 unit**  
**Grade Only**

*Advisory:* English 51 and 56, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5 and R5; and CBTE 103 with a grade of "C" or better, or equivalent.

*Limitation on Enrollment:* This course is not open to students with credit for CBTE 130. This course is an introduction to text editing features in Corel WordPerfect including insert, delete, spell check, printing, and character and line formatting. 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 when taken with CBTE 130B.

**130B Introduction to Corel WordPerfect II**  
**—.75 hours lecture, .75 hours lab, 1 unit**  
**—Grade Only**

*Advisory:* English 51 and 56, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5 and R5; and CBTE 103 and 130A, each with a grade of "C" or better, or equivalent.

*Limitation on Enrollment:* This course is not open to students with credit for CBTE 130. This course is a continuation of CBTE 130A. Students continue using text editing features of Corel WordPerfect including tab set, pagination, document formatting, headers and footers, search and replace,

ACTION

Adoption of a program deactivation Mesa College.

Proposed program deactivation at Mesa:

**Certificate of Completion:  
Escrow\***

<b>Courses:</b>	<b>Units</b>
ESCR 101, Escrow Procedures Beginning.....	3
ESCR 111, Escrow Procedures Advanced.....	3
REAL 101, Real Estate Principles.....	3
REAL 105, Legal Aspects of Real Estate I.....	3
REAL 115, Real Estate Finance I.....	3
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	<b>Total Units = 15</b>

\*This is a department award in recognition of information on the transcript and does not imply that a graduation requirement has been met.

**Associate in Science Degree:  
Escrow**

<b>Courses Required for the Major:</b>	<b>Units</b>
ESCR 101, Escrow Procedures Beginning.....	3
ESCR 111, Escrow Procedures Advanced.....	3
BUSE 119, Business Communications.....	3
BUSE 140, Business Law and the Legal Environment.....	3
ECON 120, Principles of Economics I.....	3
REAL 101, Real Estate Principles.....	3
REAL 105, Legal Aspects of Real Estate I.....	3
REAL 115, Real Estate Finance I.....	3
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	<b>Total Units = 24</b>

For graduation requirements see **Requirements for the Associate Degree** on page **Error! Bookmark not defined.**

**Electives as needed to meet minimum of 60 units required for the degree:**

**Recommended Electives:** Accounting 116A and 116B; Business 150; Marketing 105; Real Estate 110, 120; Speech Communications 103.

ACTION

Adoption of a course deactivation Mesa College.

Proposed course deactivation at Mesa:

**103 Introduction to Meteorology**

**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.

~~The composition, structure, and dynamics of the earth's atmosphere. Meteorological processes and the resulting weather patterns are analyzed with reference to the cause and regional distribution of climate. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.~~

ACTION

Adoption of a course deactivation Mesa College.

Proposed course deactivation at Mesa:

**~~113 Race in United States History~~**

**~~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.

This course examines how people of the United States have conceived of race through time, and the patterns of race relations, from the colonial era to the present. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

ACTION

Adoption of course deactivations City College.

Proposed course deactivations at City:

**151 Introduction to CNC Verification and Communication**

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

*Advisory:* English 43 and English 42; and Mathematics 95, each with a grade of "C" or better, or equivalent, or Assessment Skill levels W4 and R4 and M40.

This course is a study of CNC program verification and communication with an emphasis on solid modeling. This course is designed for students majoring in the machine technology and/or engineering fields. (FT) Associate Degree Credit & transfer to CSU and private colleges and universities.

**160 Introduction to CAD/CAM**

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

This course provides an introduction to CAD/CAM theory and software applications. The emphasis of this course will be on the generation of CNC programs, at a basic level, for both CNC Mill, and CNC Lathe. (FT) Associate Degree Credit and not Transferable.

**161 Applications of CAD/CAM I**

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

This course includes exercises in CAD/CAM at an intermediate level to increase students' efficiency and quality of work on the generation of CNC programs, at an intermediate level, for both CNC Mill and CNC Lathe. (FT) Associate Degree Credit and not Transferable.

**162 Applications of CAD/CAM II**

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

This course includes exercises in CAD/CAM at an advanced level to increase students' efficiency and quality of work on the generation of CNC programs, at an advanced level, for both CNC Mill and CNC Lathe. (FT) Associate Degree Credit and not Transferable.

**180 Advanced CAD/CAM**

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

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

Advanced CAD/CAM theory and software. The emphasis will be on the generation of CNC programs, at an advanced level, for both CNC Mill and CNC Lathe. (FT) Associate Degree Credit & transfer to CSU and private colleges and universities.

**181 Application in Advanced CAD/CAM I**

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

This course includes exercises in CAD/CAM theory and software at an intermediate level. This course will emphasize the generation of CNC programs, at an intermediate level, for both CNC Mill and CNC Lathe. This course is designed to allow the student the opportunity to improve efficiency in the application of intermediate CAD/CAM. (FT) Associate Degree Credit and not Transferable.

**182 Application in Advanced CAD/CAM II**

**6 hour lab, 2 units  
Grade Only**

This course will include exercises in CAD/CAM theory and software at an advanced level. This course will emphasize the generation of CNC programs, at an advanced level, for both CNC Mill, and CNC Lathe. This class is designed to allow the student the opportunity to improve efficiency in the application of advanced CAD/CAM. (FT) Associate Degree Credit and not Transferable.



ACTION

Adoption of a course deactivation Mesa College.

Proposed course deactivation at Mesa:

**148 Politics of Change: Development and Revolution**

**3 hours, 3 units**

**Grade Only**

*Advisory:* English 51 and 56, each with a grade of “C” or better, or equivalent, or Assessment Skill Levels W5 and R5; and Completion of Political Science 101, 103, 140, or 172 with a grade of “C” or better, or equivalent.

This course provides a critical survey of the dominant theories and models of the process of political change, both evolutionary and revolutionary, focusing on the causes of change and its impact on the political systems and institutions of selected twentieth century nations. The emphasis is on a comparative approach, focusing on the process of political change in European and non-European societies. This course may be offered as a distance learning course. Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.