

A. NAME OF AGENDA ITEM

Consideration and approval of new or revised courses and programs.

B. STATEMENT OF ISSUE/PURPOSE

1. Background and Purpose

Sections 55002, 55130 and 55150 of Title 5 requires the local district governing board approve degree-applicable credit courses, nondegree-applicable credit courses, noncredit courses, community services offerings, and credit and noncredit programs.

The following curriculum changes are proposed for the San Diego Community College District for City College, Mesa College, Miramar College or Continuing Education:

Air Conditioning, Refrigeration, and Environmental Control Technology  
Adoption of two course deactivations at City College. (**Attachment A1**)

Animal Health Technology  
Adoption of a course deactivation at Mesa College. (**Attachment B**)

Automotive Technology  
Adoption of two new courses at Continuing Education. (**Attachment C**)

Clothing and Textiles  
Adoption of three new courses at Continuing Education. (**Attachment D**)

Diesel Technology  
Adoption of two new courses at Continuing Education. (**Attachment E**)

Dramatic Arts  
Adoption of a new course at City College. (**Attachment F**)

Engineering Technology  
Adoption of two new courses at City College. (**Attachment G**)

Fire Protection Technology  
Adoption of a course Reactivation at Miramar. College (**Attachment H**)

Heavy Equipment Operator  
Adoption of six new courses at City College. (**Attachment I1-I2**)

Interior Design  
Adoption of a course deactivation at Mesa College. (**Attachment J**)

Henry T. Ingle, Ph.D.  
Vice Chancellor  
Instructional Services

Photography

Adoption of two new courses at City College. (**Attachment K**)

Radio and Television

Adoption of a course reactivation at City College. (**Attachment L**)

Sociology

Adoption of a new course at City College. (**Attachment M**)

Real Estate

Adoption of a new program at City College. (**Attachment N1-N2**)

2. Cost and Funding

There is no additional cost to the District

C. PROPOSAL

The Board of Trustees hereby grants authority to take the action outlined in Part A.

ACTION

Adoption of two course deactivations at City College.

Proposed course deactivations at City College:

**134 Heating, Solar and Alternative Energy  
Systems Theory**

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

*Limitation on Enrollment:* This course is not open to students with previous credit for Environmental Control Technology 134. This course covers basic heating principles, equipment and processes; the process of combustion, including the chemistry of combustion is studied with respect to a variety of common fuels. The technology utilized in the actual combustion processes and the equipment are studied and maintenance procedures and the sizing of vent systems are included. Theory, equipment sizing and operation of solar systems and the integration of solar and standard hydronic heating systems are included in this course as well as solar heat load calculation and system estimating. The economics of energy systems and alternative energy systems are explored. Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**135 Heating, Solar and Alternative Energy  
Systems Lab**

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

*Limitation on Enrollment:* This course is not open to students with previous credit for Environmental Control Technology 135. This course involves a series of demonstrations and lab projects to provide knowledge and understanding of the operation of heating and solar energy systems. Combustion testing equipment and instrumentation are utilized. Orsat Analysis and use of electronic and combustion analyzers are included. Training and practice on common types of heating and solar systems includes hydronic balancing, solar angle determination and optimization, collector efficiencies and shadow grapey construction. Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a course deactivation at, Mesa College.

Proposed course deactivation at Mesa College:

**250 Introduction to Laboratory Animals**  
**2 hours lecture, 3 hours lab, 3 units**  
**Grade Only**

*Prerequisite:* Animal Health Technology 100B, 125L, 225, each with a grade of "C" or better, or equivalent.

*Limitation on Enrollment:* Special Admission - must be admitted to program.

This lecture and laboratory course is designed for the second year Animal Health Technology student. The course covers the use of animals in biomedical research with an emphasis on common laboratory species, animal welfare legislation and the philosophy of laboratory animal management. The course includes handling, restraint, husbandry, care and observation of laboratory species. Lab animal breeding, injection techniques, anesthesia, clinical pathology, sample collection, medication, nutrition, euthanasia and necropsy are also covered. Appropriate terminology is also included. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of two new courses at Continuing Education.

Proposed new courses at Continuing Education:

**600 Quick Service Lube, Pre-Delivery  
Inspection Technician**

*Advisory:* Valid California Driver's License  
This course provides students with an overview of automotive quick services and new/used vehicle preparation. It covers vehicle inspections, preparing estimates, changing fluids and filters, proper hazardous waste disposal, minor electrical repairs, and road-testing techniques. Students learn how to inspect and evaluate vehicle systems to determine if advanced levels of repairs are needed. They also learn how to identify and operate necessary equipment and tools. (FT)

**601 Automotive Introductory and Safety**

*Advisory:* Valid California Driver's License  
This course provides students with an overview of the automotive industry and a basic understanding of how each system within an automobile works. Students learn how to operate basic hand, power, and lifting tools as well as the major measuring instruments and devices used by automotive technicians.  
This course is intended as a first course for automotive students or as a basic core course for the entire automotive program. (FT)

ACTION

Adoption of a three courses at Continuing Education.

Proposed new courses at Continuing Education:

**651 Sewn Product Business I**

*Advisory:* Completion of Sewing Fundamentals course, instructor's consent, written/practical exam, or recommendation from any Fashion Instructor.

This course takes the student from sewn product concept to consumer. A feasibility plan will be created to see if the student's entrepreneurial idea has merit as a sewn product business venture. Instruction in employment preparation for either the global sewn product industry or for starting a sewn product business venture will be included. (FT)

Alternate Title(s): Sewn Product Entrepreneurship; Sewn Products

**653 Sewn Product Business III**

*Advisory:* Completion of Sewing Fundamentals course, instructor's consent, written/practical exam, or recommendation from any Fashion Instructor.

This course helps the student comprehend how to market sewn products to the consumer. A marketing plan will be created. Instruction in employment preparation for either the global sewn product industry or for starting a sewn product business venture will be included. (FT)  
Alternate Title(s): Niche Sewn Product Marketing; Sewn Product Promotion

**652 Sewn Product Business II**

*Advisory:* Completion of Sewing Fundamentals course, instructor's consent, written/practical exam, or recommendation from any Fashion Instructor.

This course is designed for the student to acquire entry level proficiency in a sewn product manufacturing and production environment. Production techniques on industrial and home sewing equipment will be used in the classroom. Instruction in employment preparation for either the global sewn product industry or for starting a sewn product business venture will be included. (FT)

Alternate Title(s): Precision Sewing; Industrial Sewing.

ACTION

Adoption of two new courses at Continuing Education.

Proposed new courses at Continuing Education:

**400 Introduction To Diesel Technology**

This beginning class introduces students to the field of diesel-powered trucks and equipment maintenance and service. Students learn about the common types of diesel powered trucks and equipment, shop safety, industrial fasteners, hydraulic fittings, technician tool requirements, service shop organization and procedures, and shop measuring tools. Students also receive an overview of the Miramar College Diesel Technology program. (FT)

**401 Measuring Tools and Applied Mathematics**

*Advisory:* Completion of or concurrent enrollment in DIES 400  
Students learn how to care for and use precision measuring tools and common shop measuring tools. They also learn industry-standard mathematical concepts and applications as related to the diesel maintenance industry. (FT)

ACTION

Adoption of a new course at City College.

Proposed new course at City College:

**109 Theatre and Social Issues**

**3 hours lecture, 3 units**

**Grade Only**

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

This course is a study of the role of theatre in society within its cultural, aesthetic, economic, and political manifestations. Emphasis is placed on increasing students' understanding of politics in theatrical representation and theatre as a tool for social change. Topics include the nature and function of theatrical representation, moving to historical and contemporary issues in American and World cultures. This class is designed for students majoring in theatre and those students interested in the Humanities and/or social and theoretical issues. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.



ACTION

Adoption of a two new courses at City College.

Proposed two new courses at City College:

**220 Component Design**

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

*Advisory:* Engineering 110 or 151, with a grade of "C" or better, or equivalent.  
This course emphasizes the application of mechanical design for component devices. The lecture material for this course is enhanced by a laboratory experience in design techniques including the creation of drawings using CAD (Computer Aided Design), computer solutions of design problems, component sizing and dimension determinations, mechanisms and design solution of mechanical component problems. This course is intended for students majoring in Engineering Technology. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**225 Product Development**

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

*Prerequisite:* Engineering 152 with a grade of "C" or better, or equivalent.  
*Corequisite:* Completion of or concurrent enrollment in: Engineering 200 and Technical Writing 101, each with a grade of "C" or better, or equivalent.  
This is a Capstone course intended for students enrolled in their last semester of an Engineering Technology major. Students combine skills from prior coursework and from this course to take a design from conception to full production (or a portion thereof) using such elements such as Gantt planning, Electronic and Mechanical analysis as necessary. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a course reactivation at Miramar College.

Proposed course reactivation at Miramar College:

**138 Recertification Course for State Fire**

**Marshal EMT-1**

**0.7 hours lecture, 1 hours lab, 1 unit  
Grade Only**

*Prerequisite:* Emergency Medical Technician 105 or Fire Protection Technology 130 with a grade of "C" or better, or equivalent.

*Advisory:* English 51 and English 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 previous credit for Fire Technology 138 or 238. Health and Safety. Students must possess a current Basic Life Support (BLS) card for Healthcare Provider. This 32-hour non-associate degree course provides State Fire Marshals a review of didactic knowledge and practical skills required for Emergency Medical Technician-1 recertification (in compliance with State of California regulations). The course includes a review of current San Diego Emergency Medical Service (EMS) treatment guidelines, anatomy, patient assessment, recognition and treatment of life threatening emergencies, emergency childbirth, behavioral emergencies, ambulance operations, triage, and disaster scene management and environmental emergencies. Upon successful completion, students are eligible to take the San Diego County EMS Re-certification Examination. This course may be repeated as necessary to meet a legally mandated training requirement as a condition of continued employment. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of six new courses at City College.

Proposed new courses at City College:

**301A Construction Equipment Operator IA**  
**2 hours lecture, 3 hours lab, 3 units**  
**Grade Only**

*Advisory:* English 51 and English 56 and Math 95, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5 and R5 and M40.

*Limitation on Enrollment:* Apprenticeship - Student must be a state registered apprentice in this trade.

This course familiarizes apprentices with the heavy equipment operator (HEO) trade. There is an emphasis on safety training relevant to working around equipment and others. Course participation includes opportunities to apply knowledge and develop skills in the operation of track-type equipment including bulldozers backhoes, paving machines and trenching equipment. Basic project procedures are introduced. (FT) Associate Degree Credit only and not Transferable.

**301B Construction Equipment Operator IB**  
**2 hours lecture, 3 hours lab, 3 units**  
**Grade Only**

*Prerequisite:* Heavy Equipment Operator 301A with a grade of "C" or better, or equivalent. This course introduces the apprentice to soils. Basic project procedures are introduced. Course components offer the opportunity to apply knowledge and develop skills in the operation of dump trucks and tractors. Site-preparation, set-up and grade checking skills are also developed. (FT) Associate Degree Credit only and not Transferable.

**302A Construction Equipment Operator IIA**  
**2 hours lecture, 3 hours lab, 3 units**  
**Grade Only**

*Prerequisite:* Heavy Equipment Operator 301B with a grade of "C" or better, or equivalent. This course provides an overview of earth moving operations including clearing and grubbing, excavation, embankment construction, and backfilling and compaction. Safety training relevant to working with scrapers, bulldozers, front-end loaders and backhoes is emphasized. Students apply knowledge and develop skills in the use of rubber tire type earth moving equipment including scrapers and bulldozers. Project procedures and related math concepts are introduced and reinforced. (FT) Associate Degree Credit only and not Transferable.

**302B Construction Equipment Operator IIB**  
**2 hours lecture, 3 hours lab, 3 units**  
**Grade Only**

*Prerequisite:* Heavy Equipment Operator 302A with a grade of "C" or better, or equivalent. This course builds on the apprentice's basic knowledge of earth moving operations. Students apply knowledge and develop skills in the operation of rubber tire type earth moving equipment including front-end loaders and backhoes. Safety training relevant to working around equipment and other workers is reinforced. Soil characteristics and standards for working with soils and aggregates are introduced. Students learn to follow contract plans and properly grade a construction site. Project procedures and related math concepts are introduced and reinforced. (FT) Associate Degree Credit only and not Transferable.

**303A Construction Equipment Operator IIIA**  
**2 hours lecture, 3 hours lab, 3 units**  
**Grade Only**

*Prerequisite:* Heavy Equipment Operator 302B with a grade of "C" or better, or equivalent. This course reinforces and further develops basic project procedures. Students apply knowledge and develop skills necessary to leadership role of the finish operator and the operation of telescoping excavators. Advanced safety training relevant to working around equipment and other workers is emphasized. Relevant math concepts and safety procedures are developed. (FT) Associate Degree Credit only and not Transferable.

**303B Construction Equipment Operator IIIB**  
**2 hours lecture, 3 hours lab, 3 units**  
**Grade Only**

*Prerequisite:* Heavy Equipment Operator 303A with a grade of "C" or better, or equivalent. This course reinforces and further develops the student's understanding of basic project procedures. Crusher operations and grade setting and checking skills are developed. Safety training relevant to working around equipment and other workers is emphasized. Relevant math content and topics related to soil such as backfilling, stabilization, erosion, geotextiles, and moisture and density tests are developed. (FT) Associate Degree Credit only and not Transferable.

ACTION

Adoption of a course deactivation at Mesa College.

Proposed course deactivation at Mesa College:

**212 Interior Design Computer Aided Design**  
**2.5 hours lecture, 1.5 hours lab, 3 units**  
**Grade Only**

*Advisory:* Interior Design 112A, Math 32 and English 56, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels M20 and R5.

This is a beginning level course in computer drawing skills for interior design students. Emphasis will be on interior space planning, presentation graphics, and business forms and charts. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of two new courses at City College.

Proposed new courses at City College:

**257 Wedding and Event Photography**  
**2 hours lecture, 2 units**  
**Letter Grade or Credit/No Credit Option**

*Prerequisite:* Photography 100 or 143, with a grade of "C" or better, or equivalent.

*Advisory:* Photography 180 with a grade of "C" or better, or equivalent.

This course covers the techniques, equipment, and approaches used by wedding and event photographers. It identifies the "must have" shots, the use of assistants, digital equipment, check lists, working with clients. This course is for advanced level photo students. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

**258 Production for Commercial Photography**  
**2 hours lecture, 2 units**  
**Grade Only**

*Prerequisite:* Photography 200 with a grade of "C" or better, or equivalent.

*Advisory:* Photography 230 or 125, with a grade of "C" or better, or equivalent.

This course introduces the role of the Commercial Photography Producer and covers the tasks and skills needed such as identifying and obtaining locations, wardrobe, talent, stylists and props as well as special equipment. It is designed for advanced photo students with a good knowledge of professional equipment and skills. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a course reactivation at City College.

Proposed course reactivation at City College:

**125 Television Specials and Video Production**  
**2 hours lecture, 3 hours lab, 3 units**  
**Grade Only**

*Advisory:* Radio and Television 122 or 124, and 140, each with a grade of "C" or better, or equivalent.

This course offers instruction and practice in the development and production of longer format television specials and video projects. Students enhance their video and production skills, preparing them to compete and bid for local video production projects. This course is designed for communications majors. (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:

**150 Sociology of Latinos/Latinas**  
**3 hours lecture, 3 units**  
**Grade Only**

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

This course is an in-depth sociological examination of the Latino Culture. Students focus on family structure and gender roles, religion, economics, racism, social movements, border issues and education. Emphasis is placed on social interactions and individual identity formation. This course is designed for sociology majors or any student interested in social sciences. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.



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

Associate in Science: Real Estate

- A. Labor Market Information<sup>1</sup>: The annual average number of persons employed in the Network Security Specialist program area is 3,250 in San Diego County in the 2004 Employment year. Approximately 87 new job openings are projected through 2014.
- B. Duplication<sup>2</sup>:
- |                        |                |
|------------------------|----------------|
| San Diego Mesa College | Real Estate AS |
| Cuyamaca College       | Real Estate AS |
| Mira Costa College     | Real Estate AA |
| Palomar College        | Real Estate AA |
| Southwestern College   | Real Estate AA |
- C. Effectiveness<sup>3</sup>: Program Area OR the projected enrollment 400 students for the 2008-2009 year in a New Program area.
1. Information was obtained from the State of California Employment Development Department-2004-2014.
  2. Information was obtained from from California Community College Chancellor's Office Inventory of Approved and Projected Programs- Website.
  3. Information was obtained from enrollments in SDCCCD Real Estate Courses Summer 07-Spring 08 (ISIS).

ACTION

Adoption of a new Program at City College.

Proposed Program at City College:

**Associate in Science Degree  
Real Estate**

**Courses Required for the Major:Units**

**Core Courses**

BUSE 119, Business Communications or	
ENGL 101, Reading and Composition.....	3
BUSE 140, Business Law and the Legal Environment....	3
CISC 181, Principles of Information Systems .....	4
ECON 120, Principles of Economics I.....	3
PHIL 102B, Introduction to Philosophy: Values .....	3

**Required Courses:**

REAL 101, Real Estate Principles .....	3
REAL 105, Legal Aspects of Real Estate I.....	3
REAL 110, Principles of Real Estate Appraisal I .....	3
REAL 115, Real Estate Finance I .....	3
REAL 120, Real Estate Practice .....	3
REAL 125, Real Estate Economics.....	3

**Six To Seven Units Selected From the Following:**

ACCT 102, Basic Accounting .....	3
ACCT 116A, Financial Accounting .....	4
BANK 102, Mortgage Brokerage and Banking.....	4
ESCR 101, Escrow Procedures - Beginning.....	3
REAL 130, Real Property Management.....	3
REAL 140, Real Estate Appraisal II.....	3
REAL 151, Real Estate Computer Applications.....	3
REAL 166, Common Interest Development.....	3

**Recommended Electives:**

BUSE 101, Business Mathematics .....	3
SPEE 180, Intercultural Communication.....	3
BIOL 101, Issues in Environmental Biology.....	4

**Total Units = 40-41**

Pursuant to Section 78016 of the Education Code, the following is a program review summary:  
Certificate of Achievement- Real Estate Broker

- A. Labor Market Information<sup>1</sup>: The annual average number of persons employed in the Network Security Specialist program area is 810 in San Diego County in the 2004 Employment year. Approximately 16 new job openings are projected through 2014.
- B. Duplication<sup>2</sup>:  
Cuyamaca College Brokers License Certificate  
Mesa College Certificate of Achievement Real Estate Broker  
Palomar College Real Estate Broker License Preparation Certificate
- C. Effectiveness<sup>3</sup>: Program Area OR the projected enrollment 400 students for the 2008-2009 year in a New Program area.
1. Information was obtained from the State of California Employment Development Department- 2004-2014.
  2. Information was obtained from from California Community College Chancellor's Office Inventory of Approved and Projected Programs- Website.
  3. Information was obtained from enrollments in SDCCD Real Estate Courses Summer 07-Spring 08 (ISIS).

ACTION

Adoption of a new Program at City College.

Proposed Program at City College:

**Certificate of Achievement  
Real Estate Broker**

**Courses Required for the Major:Units**

**Core Courses**

**Required Courses:**

REAL REAL 101, Real Estate Principles .....	3
REAL 105, Legal Aspects of Real Estate I.....	3
REAL 110, Principles of Real Estate Appraisal I .....	3
REAL 115, Real Estate Finance I .....	3
REAL 120, Real Estate Practice .....	3
REAL 125, Real Estate Economics.....	3

**Six To Seven Units Selected From the Following:**

ACCT 102, Basic Accounting.....	3
ACCT 116A, Financial Accounting.....	4
BANK 102, Mortgage Brokerage and Banking .....	4
ESCR 101, Escrow Procedures - Beginning .....	3
REAL 130, Real Property Management.....	3
REAL 140, Real Estate Appraisal II .....	3
REAL 151, Real Estate Computer Applications .....	3
REAL 166, Common Interest Development .....	3

**Total Units = 40-41**