

Board Docket for 9/14/05

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:

Animal Health Technology	Adoption of new courses at Mesa College.	Attachment A
Apprenticeship	Adoption of program revision at City College.	Attachment B
Biology	Adoption of program revision at City College.	Attachment C
Child Development	Adoption of a course deactivation at City College.	Attachment D
Computer and Information Sciences	Adoption of a new course at Mesa College.	Attachment E
Digital Film Production	Adoption of a new course at Miramar College.	Attachment F
Manufacturing Engineering Technology	Adoption of a new course at City College.	Attachment G
Physical Education	Adoption of a new course at City College.	Attachment H
Spanish	Adoption of a new course at City, Mesa, and Miramar Colleges.	Attachment I

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

Animal Health Technology

ACTION

Adoption of a new courses at Mesa College.

Proposed courses at Mesa College.

145 Veterinary Anatomy and Physiology **3 hours lecture, 3 units** **Grade Only**

Prerequisite: BIOL 107 and CHEM 100 and CHEM 100L, each with a grade of "C" or better, or equivalent.

Corequisite: ANHL 145L.

Advisory: ENGL 051 & ENGL 056 & MATH 095, each with a grade of "C" or better, or equivalent, or Assessment Skill Level W5/R5/M40.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for ANHL 120.

This lecture course is designed to introduce the first semester Animal Health Technology student to the comparative normal anatomy and physiology of selected domestic animal species. The eleven anatomical systems are covered and material presented ranges from the microscopic cellular level to the level of the full organism. Relevant application of structure and function to the clinical medical situations is addressed.

Appropriate medical terminology is included with each system. To continue in the Animal Health Technology Program, students must earn a grade of "C" or better. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

145L Veterinary Anatomy and Physiology Lab **3 hours lab, 1 unit** **Grade Only**

Prerequisite: BIOL 107 and CHEM 100 and CHEM 100L, each with a grade of "C" or better, or equivalent.

Corequisite: ANHL 145.

Advisory: ENGL 051 & ENGL 056 & MATH 095, each with a grade of "C" or better, or equivalent, or Assessment Skill Level W5/R5/M40.

Limitation on Enrollment: Special Admission - must be admitted to program. This course is not open to students with previous credit for ANHL 120.

This veterinary anatomy and physiology laboratory course is designed to provide the first semester Animal Health Technology student with the opportunity to investigate and study the principles of normal anatomy and physiology presented in the corresponding lecture course (ANHL 145). Techniques for the safe and proper dissection are introduced and practiced by the student during the extensive animal dissection. All eleven anatomical systems are studied through actual dissection or models. Relevant application of structure and function to the clinical medical situations is addressed.

Appropriate medical terminology is included with each system. Animal dissection is carried out by each student. To continue in the Animal Health Technology Program, students must earn a grade of "C" or better. (FT)

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

255 Laboratory Animal Medicine **2 hours lecture, 2 units** **Grade Only**

Prerequisite: ANHL 100B and ANHL 125L and ANHL 225, each with a grade of "C" or better, or equivalent.

Corequisite: ANHL 255L.

Limitation on Enrollment: This course is not open to students with previous credit for ANHL 250.

This lecture 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. Methods and procedures involved in laboratory animal breeding, injections, anesthesia, sample collection, medicating, nutrition, euthanasia and necropsy are also covered. Appropriate terminology is included. To continue in the Animal Health Technology Program, students must earn a grade of "C" or better. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

255L Laboratory Animals Medicine Laboratory **3 hours lab, 1 unit** **Grade Only**

Prerequisite: ANHL 100B and ANHL 125L and ANHL 225, each with a grade of "C" or better, or equivalent.

Corequisite: ANHL 255.

Limitation on Enrollment: This course is not open to students with previous credit for ANHL 250.

This laboratory animal medicine laboratory course is designed to provide the second year Animal Health Technology student with the opportunity to practice the principles and procedures presented in the Laboratory Animal Medicine (ANHL 255) lecture. Students apply regulations and ethical principles to various situations. Techniques for the safe and proper animal restraint, anesthesia, injection techniques, and sample collection are introduced and practiced by the student. Students also perform tattooing, ear notching and other procedures commonly utilized in the research setting. Students are required to perform a necropsy following established guidelines. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

Apprenticeship

ACTION

Adoption of program revision at City College.

Proposed program revision at City College.

Certificate of Achievement Requirements:

Courses Required for the Major: Units

A. Completion of the related and supplemental instruction during the period of the program as approved by the Apprenticeship Committee 25-48

~~B. Work experience (on the job training for the duration of the apprenticeship period) (4 units/ semester, maximum of 16 units) 16~~

Total Units = 41-64

Associate in Science Degree Requirements:

The Associate in Science degree is conferred upon successful completion of the required apprenticeship programs of Associated Builders and Contractors (A.B.C.), Honeywell Tool and Die, Jet Products Corporation, Operating and Maintenance Engineers HVAC, San Diego and Imperial Counties Pipetrades, San Diego City Civil Service Communications Technician, San Diego Gas and Electric Company, San Diego Trolley, or Solar Turbines, Incorporated.

Courses Required for the Major: Units

A. Completion of the related and supplemental instruction during the period of the program as approved by the Apprenticeship Committee 25-48

~~B. Work experience (on the job training for the duration of the apprenticeship period) (4 units/ semester, maximum of 16 units) 16~~

Total Units = 41-64

ACTION

Adoption of program revision at City College.

Proposed deactivation of program options at City College.

**Certificate of Completion:
Applied Biotechnology***

Students may take the specific biotechnology courses and receive a Certificate of Completion authorized and issued by the academic department. It is not intended to nor will it be recognized as an official state approved program. It is intended to provide students with intensive laboratory skills development experience to meet entry-level employment requirements in the biotechnology industry.

Courses: _____	Units
BIOL 132, Applied Biotechnology I (Miramar)	4
BIOL 133, Applied Biotechnology II (Miramar)	4
.....	Total Units = 8

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

**Certificate of Completion:
Lab Assistant***

Successful completion of this program qualifies individuals for employment as lab assistants in settings such as the biotechnology industry, bioscience research institutions and academic institutions. Eligibility for Mathematics 96 is strongly recommended before taking this program. Required courses must be completed with a grade of "C" or better. Further education beyond this program could lead to broader opportunities as a lab technician.

Courses _____	Units
CHEM 100, Fundamentals of Chemistry	3
CHEM 100L, Fundamentals of Chemistry Lab	1
.....	Total Units = 4

*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:
Biology
Applied Biology Track**

Courses Required for the Major: _____	Units
BIOL 105, 106, Principles of Biology & Laboratory (Miramar)	
OR	
BIOL 107, General Biology Lecture & Lab....	4
BIOL 205, General Microbiology	5
BIOL 132, Applied Biotechnology I (Miramar)	
&	
BIOL 133, Applied Biotechnology II (Miramar)	8
CHEM 200, 200L, General Chemistry I & Laboratory	3,2
CHEM 201, 201L, General Chemistry II & Laboratory	3,2
CISC 181, Principles of Information Systems ..	4
.....	Total Units = 31

Recommended electives: Physics 120A, 120B, 121A, 121B.

ACTION

Adoption of a course deactivation at City College.

Proposed deactivated course at City.

100 Introduction to Child Development
— 3 hours lecture, 3 units
Grade Only

Advisory: ENGL 043 & ENGL 042, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W4/R4.

This course serves as an overview of the field of child development. Emphasis is placed on the analysis of historical and contemporary philosophies and models of early childhood education, exploration of the variety and scope of programs in the community, examination of career options and career preparation in the field of child development, and current issues and trends facing early childhood education. This course partially fulfills the certification requirements for child development Infant/Toddler program requirements. (FT) Associate Degree Credit only and not Transferable.

ACTION

Adoption of a new course at Mesa College.

Proposed new course at Mesa.

182 Fluency with Information Technology
3 hours lecture, 3 hours lab, 4 units
Grade Only

This course provides transfer students with an introduction to computer technology. It targets students who need to complete a computer literacy course as part of their degree or certificate program. Computer software, networking, and systems are covered, with an emphasis on modern technologies. This course also serves community members interested in an introduction to computer technology. Students who have completed CISC 181 should consult with a counselor before enrolling in CISC 182. (FT)
Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at Miramar College.

Proposed course at Miramar College.

101 Introduction to Film

3 hours lecture, 3 units

Grade Only

Advisory: ENGL 051 & ENGL 056, each with a grade of "C" or better, or equivalent or Assessment Skill Levels W5/R5.

This course introduces students to the narrative, thematic, and aesthetic aspects of cinema. It examines a wide variety of films and emphasizes styles of directors as well as aspects of characterization and themes. Topics include the artistic quality of film and the development of technical methods used by filmmakers to present their ideas. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

Manufacturing Engineering Technology

ACTION

Adoption of a new course at City College.

Proposed course at City College.

101 Introduction to Manufacturing Engineering Technology

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

This course is designed for students who are interested in the field of Manufacturing Engineering Technology (MET). The course introduces manufacturing principles, including manufacturing systems, design concepts, process and material selection, computer-integrated manufacturing, quality control and management, global competitiveness and manufacturing costs, safety and environmental concerns. It also provides an overview of the MET program structure, job perspectives for graduates, salary ranges and various career options in manufacturing. (FT)
Associate Degree Credit & transfer to CSU and/or private colleges and universities.

ACTION

Adoption of a new course at City College.

Proposed course at City College.

157 Fitness Applications

1.5 - 3 hours lab, 0.5 - 1 units

Credit/No Credit Only

Advisory: Completion of or concurrent enrollment in PHYE 153 with a grade of "C" or better, or equivalent.

This course is designed to provide students with the opportunity to increase their fitness levels by use of a longer and more demanding aerobic circuit. Each student is assessed in the areas of cardiovascular efficiency, flexibility, muscular endurance and body composition. An individualized fitness program is prescribed utilizing goals established jointly by the student and instructor. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities. UC Transfer Course List.

ACTION

Adoption of a new course at City, Mesa & Miramar Colleges.

Proposed course at City, Mesa & Miramar College.

216 Spanish for Spanish Speakers II
5 hours lecture, 5 units
Letter Grade or Credit/No Credit Option

Prerequisite: SPAN 215 or SPAN 201 with a grade of "C" or better, or equivalent.

Limitation on Enrollment: This course is not open to students with previous credit for SPAN 202, or to Spanish speakers who have received the equivalent of a high school degree in a Spanish speaking country.

This course is the continuation of Spanish 215. It is designed for students who are fluent in spoken, informal Spanish and who need to improve their writing, reading, and grammar skills. It furthers the mastery of formal, written communication in Spanish at the intermediate-advanced level, while integrating instruction in Hispanic and Chicano culture through increased practice in intermediate-advanced level readings, relevant, and authentic materials. The course focuses on language challenges that Spanish speakers still encounter at intermediate-advanced level, such as orthography, the inappropriate mix of English and Spanish in specific contexts, and standard Spanish as contrasted with regional variations. This course is conducted entirely in Spanish.

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