

Approved 9/25/07

A. NAME OF AGENDA ITEM

Consideration and approval of new or revised courses and programs.

B. STATEMENT OF ISSUE/PURPOSE

1. Background and Purpose

Section 55002(b) of Title 5 requires that the local district governing board approve non-credit courses, fee and non-fee, offered by the District. The following curriculum changes are proposed for City College, Mesa College, Miramar College and Continuing Education:

Automotive Technology	Adoption of four new courses at Miramar College	Attachment A
Biology	Adoption of a course reactivation at City College	Attachment B
Biology	Adoption of a program revision at Miramar College	Attachment C

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.

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

Automotive Technology

ACTION

Adoption of four new courses at Miramar College.

Proposed course at Miramar College:

080D Toyota Electrical Circuit Diagnosis 623
2 hours lecture, 2 units
Grade Only

Advisory: English 51 and English 56 and Mathematics 32, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5, R5 and M20; AUTO 53 with a grade of "C" or better, or equivalent.

This advanced course familiarizes technicians with Toyota electrical circuit operation and electrical wiring systems. Topics include electrical concepts, circuits, automotive batteries, starting systems, charging systems, and electrical signals. Students use factory manuals and receive instruction through lecture and demonstration of tools and related components. This course qualifies for Toyota's course code T623. (FT) Associate Degree Credit only and not Transferable.

080E Toyota Body Electrical Diagnosis 652
1 hour lecture, 1 unit
Grade Only

Advisory: English 51 and English 56 and Mathematics 32, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5, R5 and M20; AUTO 53 with a grade of "C" or better, or equivalent.

This advanced course familiarizes technicians with Toyota body electrical diagnosis. Topics include electrical concepts, Toyota electrical wiring diagrams, electrical diagnostic tools, troubleshooting plans, and diagnosis of body electrical malfunctions. Students use Toyota factory manuals and receive instruction through lecture and demonstration of the proper application of tools and related components. This course qualifies for Toyota's course code T652. (FT) Associate Degree Credit only and not Transferable.

080F Toyota Electronic & Computer Systems 672
2 hours lecture, 2 units
Grade Only

REQUISITES:

Advisory: English 51 and English 56 and Mathematics 32, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5, R5 and M20; AUTO 53 with a grade of "C" or better, or equivalent.

This advanced course familiarizes technicians with an understanding of theory, operation, diagnosis, and troubleshooting of Toyota electronic devices and engine control systems. Topics include electrical diagnosis, analog and digital meters, semiconductors, transistors, sensors and actuators, and Toyota computers and logic circuits. Students use Toyota factory manuals and receive instruction through lecture and demonstration of tools and related components. This course qualifies for Toyota's course code T852. (FT) Associate Degree Credit only and not Transferable.

080G Toyota Air Conditioning and Climate Control 752
1 hour lecture, 1 unit
Grade Only

Advisory: English 51 and English 56 and Mathematics 32, each with a grade of "C" or better, or equivalent, or Assessment Skill Levels W5, R5 and M20; AUTO 53 with a grade of "C" or better, or equivalent.

This advanced course familiarizes the technician with automotive air conditioning and climate control systems on Toyota vehicles including hybrid vehicles. Topics include safety practices, air conditioning components, system controls, automatic temperature controls diagnosis, and repair procedures. Students use factory manuals and receive instruction through lecture and demonstration of the proper application of tools and related components. This course qualifies for Toyota's course code T752. (FT) Associate Degree Credit only and not Transferable.

ACTION

Adoption of a course reactivation at City College.

Proposed course at City College:

206 Biotechnology Instrumentation
3 hours lecture, 9 hours lab, 6 units
Grade Only

Prerequisite: Biology 205 and Chemistry 201 and Chemistry 201L, each with a grade of "C" or better, or equivalent.

This is an advanced lecture/laboratory course implementing major techniques used in the biotechnology industry. Topics include tissue culture methods, purification and analysis of nucleic acids and proteins, DNA amplification and cloning procedures, protein identification methods, scientific information retrieval, and technical writing. This course is intended for students seeking employment opportunities in biotechnology. (FT) Associate Degree Credit & transfer to CSU and/or private colleges and universities.

Biology

ACTION

Adoption of a program revision at Miramar College.

Proposed program revision at Miramar College:

New Certificate of Completion

**Certificate of Completion:
Applied Biotechnology – Analytical Chemistry**

Courses Required for the Major:	Units
BIOL132, Applied Biotechnology I.....	4
CHEM 251, Analytical Chemistry	5
	Total Units = 9