

## CUYAMACA COLLEGE OFFICIAL COURSE OUTLINE

### **AUTOMOTIVE TECHNOLOGY 100 – INTRODUCTION TO AUTOMOTIVE TECHNOLOGY LAB**

3 hours laboratory, 1 unit

#### **Catalog Description**

Basic laboratory environment designed to prepare students for entry into the Automotive Technology major. Covers repairing, servicing and basic diagnostic procedures of a typical passenger car or light truck.

#### **Prerequisite**

None

#### **Course Objectives**

Students will be able to:

- 1) Practice safety procedures as related to auto mechanics
- 2) Learn proper use and application of hand tools
- 3) Become familiar with repair techniques of various automotive systems

#### **Special Materials Required of Student**

Basic hand tool set

#### **Minimum Instructional Facilities**

- 1) Auto tech lab (6 bays) and basic automotive service equipment
- 2) Demonstration classroom with vehicle access

#### **Course Content**

- 1) Introduction and safety
- 2) Hand tools
- 3) Lubrication system
- 4) Cooling system
- 5) Fuel system
- 6) Electrical system
- 7) Ignition system
- 8) Emission control system
- 9) Power train
- 10) Suspension and steering
- 11) Brakes

#### **Method of Instruction**

- 1) Demonstration
- 2) Individual instruction

#### **Method of Evaluation**

A grading system will be established by the instructor and implemented uniformly. Grades will be based on demonstrated proficiency in subject matter determined by multiple measurements for evaluation, one of which must be essay exams, skills demonstration or, where appropriate, the symbol system.

- 1) Quizzes
- 2) Observation
- 3) Projects

#### **Texts and References**

- 1) Required: Crouse and Anglin. Auto Shop Workbook.
- 2) Supplemental: None