Lassen Community College Course Outline

AT-70 General Automotive Lab 2.0 Units

I. Catalog Description

This course is designed to provide the student with skills in developing increased speed, accuracy, and expertise in all phases of automotive training.

Corequisite(s): Student must be enrolled in one additional automotive course that has a safety component.

Entrance Skills:
Before entering this course the student will be able to:
1. Demonstrate safety procedures within the Automotive Laboratory.
2. Demonstrate the ability to work on an in-house project with minimum instructor supervision.
3. Demonstrate competency in utilizing shop equipment and tools safely.

102 Hours Lab, 102 total student learning hours
Scheduled: Fall, spring

II. Coding Information

Repeatability: Not Repeatable. Take 1 Time
Grading Option: Graded or Pass/No Pass
Credit Type: Credit - Degree Applicable
TOP Code: 094800

III. Course Objectives

A. Course Student Learning Outcomes

Upon completion of this course the student will be able to:

Demonstrate effective time management and utilization of resources and skills to successfully complete an assigned automotive project at a beginner level

IV. Course Content

A. Operational and Safety Procedures
   1. Student/mechanic responsibilities
   2. Physical limitations
   3. Industrial accident precautions
   4. Safe working conditions
   5. General hazards
   6. Personal protection
B. Specifications Search
   1. Flat rate time
   2. Time card

V. Assignments

A. Appropriate Readings

1. Trade magazines

2. Manufacturer's bulletins
3. Current professional manuals

B. Writing Assignments

Typical writing assignments will include:

1. Providing written answers to assigned questions
2. Performing mathematical calculations as assigned
3. Maintaining a notebook of class assignments/activities
4. Maintain a record of completed assignment/activities

C. Expected Outside Assignments

Appropriate out-of-class assignments may include:

1. Researching appropriate readings
2. Studying as needed for successful classroom performance

D. Specific Assignments that Demonstrate Critical Thinking

Students will perform analysis and evaluation of readings and/or classroom materials and utilize this analysis in classroom discussions, writing assignments, and in performing laboratory activities. Students must select and use appropriate methods and materials needed to complete laboratory assignments.

VI. Methods of Evaluation

A student's grade will be based on multiple measures of performance. The assessment will measure development of independent critical thinking skills and will include evaluation of the student's ability to:

1. Perform the manipulative skills of the craft as required to satisfactorily complete laboratory assignments
2. Apply theory to laboratory assignments
3. Perform on written, oral, or practical examinations
4. Perform on outside assignments including writing assignments
5. Classroom participation

In addition to the above measures of performance the student will also be evaluated on individual skill level in conjunction to multiple enrollments:

Repair consists of part replacement only. Must be able to follow written and/or verbal instructions. Student will demonstrate these skills at a beginner level.

VII. Methods of Delivery

Check those delivery methods for which, this course has been separately approved by the Curriculum/Academic Standards Committee.

☒ **Traditional Classroom Delivery** ☐ Correspondence Delivery

☐ Hybrid Delivery ☐ Online Delivery

Traditional Classroom Delivery:

The appropriate method of instruction will be determined by the instructor and may include:

1. Lecture with or without various audio/visual aids.
2. Group problem solving, discussion, debate, and/or critique.
3. Demonstration
4. Computer-assisted/other self-paced instruction.

5. Field trips or field assignments.
6. Laboratory assignments utilizing planned activities or "live" work.

VIII. Representative Texts and Supplies

Current Manuals as furnished by the instructor.
Appropriate Shop Clothing

IX. Discipline/s Assignment

Automotive Technology

X. Course Status

Current Status: Active
Original Approval Date: 02/05/2013
Board Approval: 03/12/2013
Chancellors' Approval: 05/01/2013
Revised By: Chad Lewis
Curriculum/Academic Standards Committee Revision Date: 10/17/2023