

CUYAMACA COLLEGE
COURSE OUTLINE OF RECORD

AUTOMOTIVE TECHNOLOGY 190 – ASSET–ORIENTATION, PDI AND LUBRICATION

1 hour lecture, 3 hours laboratory, 2 units

Catalog Description

Introduction to the Ford sponsored ASSET program. Students will become familiar with dealership operations, vehicle pre-delivery inspection, and proper lubrication of the various systems of the modern automobile. Complemented by required work experience in the dealership.

Prerequisite

None

Course Content

- 1) Lecture:
 - a. Introduction and safety
 - b. Dealership operations overview
 - c. Pre-delivery inspection procedures
 - d. Lubricants used in modern automobiles
 - e. Proper lubrication of vehicle
- 2) Lab:
 - a. Introduction and safety
 - b. Laboratory procedures
 - c. Equipment operation
 - d. Pre-delivery inspections
 - e. Lubrication service

Course Objectives

Students will be able to:

- 1) Demonstrate standardized safety and hazardous waste handling practices.
- 2) Describe the work flow processes utilized by new car dealership service departments.
- 3) Prepare new vehicles for customer delivery.
- 4) Perform lubrication maintenance service and minor maintenance services.
- 5) Utilize factory service information from manufacturer's website to accurately service customer vehicles.

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, written exams, and hands-on performance exam that measure students' ability to safely identify necessary action or repair, and perform necessary tasks related to pre-delivery inspections, repair, lubrication, and minor maintenance service.
- 2) Skills-based summative assessment that measures students' ability to successfully complete the necessary NATEF tasks related to pre-delivery and lubrication service.

Special Materials Required of Student

- 1) Mechanic's hand tool set
- 2) Approved safety glasses
- 3) Training vehicles

Minimum Instructional Facilities

- 1) Auto tech lab (6 bays)
- 2) Ford training software
- 3) Lubrication servicing equipment

Method of Instruction

- 1) Lecture and demonstration
- 2) Individual assistance

Out-of-Class Assignments

- 1) Reading assignments
- 2) Writing assignments

Texts and References

- 1) Required: None
- 2) Supplemental: None

Exit Skills

Students having successfully completed this course exit with the following skills, competencies and/or knowledge:

- 1) Work safely in a dealership service department.
- 2) Understand the basic operations of an automobile service department.
- 3) Perform pre-delivery inspections on new vehicles.
- 4) Perform lubrication service on late model vehicles.

Student Learning Outcomes

Upon successful completion of this course, students will be able to:

- 1) Demonstrate standardized safety and hazardous waste handling practices.
- 2) Describe the work flow processes utilized by new car dealership service departments using assigned lab sheets and hands-on testing.
- 3) Prepare new vehicles for customer delivery using assigned lab sheets and hands-on testing.