

Master Syllabus

AUT 1102 - Introduction to Automotive Service

Division: Science, Mathematics and Engineering

Department: Automotive Technology

Credit Hour Total: 0.5 - 2.0

Lecture Hrs: 1.0 **Lab Hrs:** 3.0

Date Revised: April 2013

Course Description:

Work assignment practices that are necessary for beginning automotive service technicians. Hand tool usage, correcting wind noise and water leaks, oil changes, tire rotations and balancing, new vehicle prep, used car inspection. Eye protection and hand tools are required.

General Education Outcomes:

- Critical Thinking/Problem Solving
- Written Communication

Course Outcomes:

Oil and filter change

Demonstrate how to change the engine oil and filter and perform a chassis lubrication.

Assessment Method: Performance appraisals

Performance Criteria:

Score 2 on a 0-4 rubric

Safe work habits

Apply safe work habits and work ethic principles.

Assessment Method: Behavioral observations

Performance Criteria:

Apply safety procedures correctly 100% of the time

Assessment Method: Locally developed exams

Performance Criteria:

90% of the students pass with a 70% correct responses on written exam

Entry level service tasks

Demonstrate entry level vehicle service tasks such as headlight aiming, windshield wiper blade and light bulb replacement and new vehicle prep.

Assessment Method: Performance appraisals

Performance Criteria:

Receive at least a 2 on a 0-4 rubric,

Tire changes

Demonstrate how to change a tire and reinstall the wheel using a torque wrench.

Assessment Method: Performance appraisals

Performance Criteria:

Score 2 on a 0-4 rubric

Outline:

Safe shop practices and vehicle hoisting
Repair order and VIN identification
Engine oil change
Tire balance mounting and rotating
New vehicle preparation
Hand tool and fastener usage and thread repair
Wind noise and waterleak repair