

## ASEP-111-MAINTENANCE AND LIGHT REPAIR 4 CREDITS

### SYLLABUS

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#### CATALOG DESCRIPTION

The operating principles of a working GM shop, GM E-learning, GM Scan Tool usage and Vehicle General Maintenance. Safety is emphasized.

Prerequisites: None

Semester Offered: Fall

#### ***Common Student Learning Outcomes***

*Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...*

##### **BROAD AND SPECIALIZED LEARNING**

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

##### **CRITICAL THINKING**

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

##### **CULTURAL AND CIVIC ENGAGEMENT**

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

##### **EFFECTIVE COMMUNICATION**

Students will exchange ideas and information with clarity in multiple contexts.

##### **INFORMATION LITERACY**

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

##### **INTEGRATING TECHNOLOGIES**

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

*Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.*

#### **Course Learning Outcomes**

Upon successful completion of the course, the student will be able to...

1. To prepare the student with job entry level qualifications maintenance.
2. Completion of 100% of NATEF priority 1 tasks.
3. Completion of 85% of NATEF priority 2 tasks.

4. Completion of 75% of NATEF priority 1 tasks.

## **Course Learning Outcomes**

Upon successful completion of the course, the student will be able to...

1. Proper use and operation of shop equipment, personal protective equipment and material safety data sheets.
2. Proper use and operation of shop equipment and proper tool usage.
3. Proper maintenance procedures, inspection sheet usage, and understanding of maintenance schedules for GM vehicles.

## **Instructional Assessment**

Students in the automotive program will be exposed to discovery-based learning as the primary teaching method. Lecture and reading assignments are very important to support the lab learning activities. For this reason, regular reading quizzes will be administered with major examinations at the end of each instructional unit. The written final will cover all course content, as will the hands-on final.