

## **ASEP-185 GM ABS & TRACTION CONTROL SYSTEM 1 CREDIT**

### **SYLLABUS**

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#### **CATALOG DESCRIPTION**

This course will cover Anti-Lock Brake System, Anti-Slip Systems and Traction control systems and include theory, diagnosis and repair procedures as outlined in factory service information. Electric power steering motors, sensors and circuitry will be included. Safety will be emphasized.

Corequisites:            ASEP-180

Semester Offered:    Spring

#### ***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. Demonstrate safe manufacturers' techniques for automotive brake service.
2. Perform the manufacturers' brake performance test.
3. Test an anti-lock brake system using manufacturers' approved processes.

4. Test traction control systems using manufacturers' approved processes.
5. Torque wheel lug nuts to proper specification.
6. Check and service brake fluid level utilizing the manufacturers' recommended process.