Course Prefix and Number: **AUT 268**  
Credits: 2

**Course Title:** Automotive Alignment

**Course Description (including lecture hours, lab hours, total contacts)**

Studies use of alignment equipment in diagnosing, adjusting, and repairing suspension problems. Lecture 1 hour. Prerequisite: AUT 267. Laboratory 3 hours. Total 4 hours per week.

**General Course Purpose**

To examine the operation of automotive alignment equipment and the service of suspension systems commonly found on cars and light trucks. Safety will be emphasized.

**Course Prerequisites/Corequisites** *(Entry-level competencies required for enrollment)*

Prerequisite: AUT 267

**Course Objectives** *(Each item should complete the following sentence.)*

Upon completing the course, the student will be able to:

- Identify the cause of abnormal vehicle handling such as pulling, wandering, hard steering, or poor return ability
- Demonstrate the measurement of camber, caster, SAI, toe-out on turns, and toe
- Demonstrate adjustment of front and rear alignment angles
- Produce completed ASE task sheets included in the syllabus
- Demonstrate ASE tasks relating to wheel alignment diagnosis, adjustment and repair

**Major Topics to be Included**

- Front Suspension Types
- Rear Suspension Types
- Tires and Wheels
- Springs and Shop Absorber Service
- Steering System Service
- Wheel Alignment Measuring and Adjustment
- Electronic Suspension systems

**Effective Date of Course Content Summary (Month, Date Year):** April 1, 2009