

Date Prepared: January 4, 2002

COURSE OUTLINE

New Revised

Effective Date: January 7, 2002

1. **COURSE PREFIX NUMBER:** AUT 268 **CREDIT HOURS:** 2 credits
2. **COURSE TITLE:** AUTOMOTIVE ALIGNMENT
3. **PREREQUISITES:** AUT 267
4. **COURSE DESCRIPTION:** Studies use of alignment in diagnosing, adjusting, and repairing suspension problems. Lecture 1 hour. Laboratory 3 hours. Total 4 hours per week.
5. **CONTENT:** (Major Headings)
 - a. Front Suspension Types
 - b. Rear Suspension Types
 - c. Tires and Wheels
 - d. Springs and Shock Absorber Service
 - e. Steering System Service
 - f. Wheel Alignment Measuring and Adjusting
 - g. Electronic Suspension
 - h.
6. **GENERAL COURSE OBJECTIVES:**

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

 - a. Determine the cause of abnormal vehicle handling such as pulling, wandering, hard steering, or poor returnability.
 - b. Measure camber, caster, SAI, toe-out on turns, and toe on the front wheels.
 - c. Adjust front and rear alignment angles that are adjustable
 - d. Complete and turn in the ASE attached sheets included in the syllabus
 - e. Perform ASE tasks relating to wheel alignment diagnosis, troubleshooting, adjustment, and repair.