

Print Date: 7/14/14
Course Objectives/Course Outline
Spokane Community College

Course Title: Principles of Steering and Suspension System
Prefix and Course Number: Auto 142

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Diagnose and repair steering systems
- Diagnose and repair suspension systems
- Diagnose and repair wheel alignment methods
- Diagnose and repair wheels and tires
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Course Outline

- I. Diagnose and Repair of Suspension Systems
 - A. Short-Arm Suspension Systems
 1. inspection
 2. diagnose/repair
 - B. Long-Arm Suspension Systems
 1. inspection
 2. diagnose/repair
 - C. MacPherson Strut Suspension Systems
 1. inspection
 2. diagnose/repair
 - D. Rear Suspension Systems
 1. inspection
 2. diagnose/repair
 3. mechanical
- III. Wheel Alignment
 - A. Alignment methods
 - B. Long-Arm Suspension Systems
 1. Components
 2. function
- IV. Wheels and Tires
 - A. Rotation
 - B. Balance