

Course Objectives/Course Outline
Spokane Community College

Course Title: Toyota Brakes Lab

Prefix and Course Number: Auto 202

Course Learning Outcomes:

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

- diagnose and repair brake systems
- diagnose and repair master cylinder and hydraulic systems
- diagnose and repair drum brakes
- diagnose and repair disc brakes
- diagnose and repair parking brakes
- diagnose and repair machining brake drums and rotors
- diagnose and repair power brake units
- diagnose and repair antilock braking systems

Course Outline:

- I. Braking System Principles
 - A. Components
 - B. Operation
 - C. Safety
- II. Master Cylinders and Hydraulic Systems
 - A. Diagnosis
 - B. Service
 - C. Repair
- III. Wheel Bearings Service and Repair
- IV. Drum Brakes
 - A. Operation
 - B. Diagnosis
 - C. Service
 - C. Repair
- V. Disc Brakes
 - A. Operation
 - B. Diagnosis
 - C. Service
 - C. Repair
- VI. Parking Brakes
 - A. Operation
 - B. Diagnosis
 - C. Service
 - C. Repair

- VII. Machining Brake Drum and Rotors
 - A. Operation
 - B. Diagnosis
 - C. Service
 - D. Repair
- VIII. Power Brake Units
 - D. Operation
 - E. Diagnosis
 - F. Service
 - D. Repair
- IX. Antilock Braking Systems
 - A. Operation
 - B. Diagnosis
 - C. Service
- X. Work Repair Tickets and Billing