

Course Objectives/Course Outline
Spokane Community College

Course Title: Toyota Brakes

Prefix and Course Number: Auto 201

Course Learning Outcomes:

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

- Identify and describe the purpose, types of applications, and operation methods pertaining to automobile brake systems.

Course Outline:

- I. Braking System Principles
 - A. Components
 - B. Operation
 - C. Safety
- II. Master Cylinder and Hydraulic System
 - A. Components
 - B. Diagnosis
- III. Wheel Bearings
 - A. Theory
 - B. Components
 - C. Diagnosis
- IV. Drum Brake
 - A. Components
 - B. Operation
- IV. Disc Brake
 - A. Theory
 - B. Components
 - C. Diagnosis
- V. Parking Brakes
 - A. Theory
 - B. Components
 - C. Diagnosis
- VI. Machining Brake Drum and Rotors
 - A. Theory
 - B. Components
 - C. Diagnosis
- VII. Power Brake Units
 - A. Theory
 - B. Components
 - C. Diagnosis
- VIII. Antilock Braking Systems
 - A. Theory
 - B. Components
 - C. Diagnosis
- IX. Work Repair Tickets and Billing