

Course Objectives/Course Outline
Spokane Community College

Course Title: Toyota Engine Repair Lab

Prefix and Course Number: Auto 126

Course Learning Outcomes:

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

Advanced Application of the following:

- Identify the components of the standard Toyota engine
- Explain the function of engine components
- Disassemble and assemble an engine

Course Outline

- A. Engine Operation
- B. Engine Cleaning
- C. Engine Shop Equipment and Safety
- D. Measuring: US and Metric
- E. Preliminary Diagnosis Before Repair
- F. Theory of Engine Removal, Disassembly, Inspection, and In-Car Repairs
- G. Cylinder Head Theory
- H. Cam and Manifold Theory
- I. Cylinder Block - Inspection and Service Theory
- J. Crankshaft and Bearings, Piston and Rod Theory
- K. Lubrication and Cooling Systems Theory
- L. Engine Hardware: Fasteners, Thread Repair, and Gaskets
- M. Reassembly and Starting