



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Engine Diagnosis and Major Service

Course Number: AUT123

Required Materials

Textbook(s): Automotive Technology: Principles, Diagnosis, and Service, 7/E, James Halderman

Required Readings: NA

Additional Materials: Electude

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

6 Week	
Week	Chapter/Topic/Lab
Week 1	Introduction / Engine Disassembly Lecture Engine Block Lecture and Lab
Week 2	Crankshaft Lecture and Lab Engine Lab Test 1 Bearings & Oil Lecture Rods & Piston Lecture
Week 3	Rods & Piston Lecture Test 2 Piston Lab Camshafts Lecture and Lab
Week 4	Cylinder Head Lecture and Lab Test 3 Valvetrain Lecture Run Engines Test 4
Week 5	Diagnostic Tools Lecture / Run Engines Test 5
Week 6	Diagnostic Tools Lecture / Run Engines Final Exam

4 Week	
Week	Chapter/Topic/Lab
Week 1	Introduction / Engine Disassembly Lecture Engine Block Lecture and Lab Crankshaft Lecture and Lab / Engine Lab Test 1
Week 2	Bearings & Oil Lecture Rods & Piston Lecture Test 2 Piston Lab Camshafts Lecture and Lab
Week 3	Cylinder Head Lecture Test 3 Valvetrain Lecture Cylinder Head Lab Diagnostic Tools Lecture / Run Engines Test 4
Week 4	Diagnostic Tools Lecture / Run Engines Diagnostic Tools Lab / Run Engines Test 5 Final Exam