



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** Automotive Systems and Engine Technology  
**Course Number:** AUT122

### 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	Course Intro, Study Tech., Shop Operations, Terms, Dealer, Calculation All Data, VIN #'s, Vehicle Labels Lecture and Lab Repair Orders, Estimates Lecture Test 1
Week 2	Repair Orders, Estimates Lab Vehicle Inspection Lecture and Lab Tire & Brake Inspection Lecture Test 2
Week 3	Lube, Oil, Filter Lecture Belts & Pulleys Lecture Tire & Brake Inspection, LOF, Belts & Pulley Lab - Group 1 and Group 2
Week 4	Cooling System Service Lecture and Lab – Group 1 and Group 2 Test 3
Week 5	Cutting Torches Lecture Test 4 Torches, Exhaust Lab Engines Lecture
Week 6	Ignition Systems Lecture Test 5 Fuel Systems Lecture Alternative Engines Lecture Final Exam

<b>5 Week</b>	
<b>Week</b>	<b>Chapter/Topic/Lab</b>
Week 1	Course Intro, Study Tech., Shop Operations, Terms, Dealer, Calculation All Data, VIN #'s, Vehicle Labels Lecture and Lab Repair Orders, Estimates Lecture and Lab Test 1
Week 2	Vehicle Inspection Lecture and Lab Tire & Brake Inspection Lecture Test 2 Lube, Oil, Filter Lecture Belts & Pulleys Lecture
Week 3	Tire & Brake Inspection, LOF, Belts & Pulley Lab - Group 1 and Group 2 Cooling System Service Lecture Cooling System Service Lab - Group 1 and Group 2 Test 3
Week 4	Cutting Torches Lecture Test 4 Torches, Exhaust Lab Engines Lecture
Week 5	Ignition Systems Lecture Test 5 Fuel Systems Lecture Alternative Engines Lecture Final Exam

<b>4 Week</b>	
<b>Week</b>	<b>Chapter/Topic/Lab</b>
Week 1	Course Intro, Study Tech., Shop Operations, Terms, Dealer, Calculation All Data, VIN #'s, Vehicle Labels Lecture and Lab Repair Orders, Estimates Lecture and Lab Test 1 Vehicle Inspection Lecture
Week 2	Vehicle Inspection Lab Tire & Brake Inspection Lecture Test 2 Lube, Oil, Filter Lecture, Belts & Pulleys Lecture Tire & Brake Inspection, LOF, Belts & Pulley Lab - Group 1 and Group 2
Week 3	Cooling System Service Lecture and Lab - Group 1 and Group 2 Test 3 Cutting Torches Lecture / Torches, Exhaust Lab Test 4 Engines Lecture
Week 4	Engines Lecture Ignition Systems Lecture Test 5 Fuel Systems Lecture Alternative Engines Lecture Final Exam