



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Automotive Electrical and Accessory Systems
Course Number: AUT125

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	Syllabus, Atomic/Electron Theory Magnetism, Amps, Ohms, Volts, Conversions Series Circuits, Parallel Circuits Test 1 Series-Parallel Circuits
Week 2	SB Meter Usage & Resistances Lab SB Voltages Lab SB Light Bulbs Lab Test 2
Week 3	SB Light Bulbs Lab SB Relays, PTC, Circuit Breakers, Lighter Lab Test 3 Solid State Components Lecture SB Solid State Lab Test 4
Week 4	Soldering Lecture Component Meter Usage Testing Lab & Soldering Lab Wiring Diagrams Lecture
Week 5	Wiring Diagrams Alldata Usage Lab Wiring Diagrams Lab Batteries/Starters

6 Week	
Week	Chapter/Topic/Lab
	Test 5
Week 6	Starting/Charging Systems Battery, Starting & Charging Lab Test 6 Final Exam

4 Week	
Week	Chapter/Topic/Lab
Week 1	Syllabus, Atomic / Electron Theory Magnetism, Amps, Ohms, Volts, Conversions Series Circuits, Parallel Circuits Test 1 SB Meter Usage & Resistances Lab Test 2 SB Voltages Lab
Week 2	SB Light Bulbs Lab SB Relays, PTC, Circuit Breakers, Lighter Lab Solid State Components Lecture Test 3 SB Solid State Lab Component Meter Usage / Testing Lab & Soldering Lab Solid State Components Lecture
Week 3	Soldering Lecture Wiring Diagrams Lecture Test 4 Wiring Diagrams Alldata Lab Wiring Diagrams Lab Test 5
Week 4	Batteries/Starters Charging Systems Test 6 Battery, Starting & Charging Lab Final Exam