



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** Vehicle Chassis Systems  
**Course Number:** AUT124

### 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, Lifting Procedures, Tire Construction Demo Tire Machine Lab Tire Machines Lab
Week 2	Tire Machines Lab Intro to Brakes Test 1 Master Cylinders and Brake Boosters Brake Components
Week 3	Wheel Bearings, Antilock Brakes, Brake Lathe Lecture Test 2 Brake Components / Brake Lathes Lab Brake System Lab
Week 4	Brake System Lab Frames, Springs, and SLA Test 3 Ball Joint Inspection, CV Axles, Universal Joints Strut & CV Axle Lab
Week 5	Manual/Power Steering

<b>6 Week</b>	
<b>Week</b>	<b>Chapter/Topic/Lab</b>
	Alignment Angles Test 4 Pre-alignment Inspection Suspension/Alignment Lab
Week 6	Suspension/Alignment Lab Test 5 Final Exam

<b>4 Week</b>	
<b>Week</b>	<b>Chapter/Topic/Lab</b>
Week 1	Syllabus, Lifting Procedures, Tire Construction Demo Tire Machine Lab Tire Machines Lab Intro to Brakes Test 1 Master Cylinders and Brake Boosters
Week 2	Brake Components Wheel Bearing, Antilock Brakes, Brake Lathe Lecture Test 2 Brake Components / Brake Lathe Lab Brake System Lab
Week 3	Frames, Springs, and SLA Test 3 Ball Joint Inspection, CV Axles, and Universal Joints Strut and CV Axle Lab Manual and Power Steering Alignment Angles Test 4 Pre-alignment Inspection
Week 4	Suspension and Alignment Lab Test 5 Final Exam