

AUTOMOTIVE STEERING AND SUSPENSION INTRODUCTION (I) Course Syllabus

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Course Syllabus		
Course Number:	SS101	Instructor: Ron Rader
OCAS Code:		Phone Number: 580-327-0344
Course Length:	15 hours	Email: rrader@nwtech.edu
Career Cluster:	Transportation	Campus: Alva, OK
Career Pathway:	Automotive Service	Program: Automotive Service Technology
Career Major:	Automotive Service Technician, Automotive Chassis Technician, Automotive Maintenance Light Repair Technician	
Pre-requisite:	Automotive Introduction	
Course Description:		ut the steering and suspension components and dent will cover shocks and struts. Also covered tire and wheel assembly.
Instructional Philosophy:	To provide a training program that is of merit both educationally and ethically while effectively providing the individual learner the opportunities, knowledge and skills necessary to succeed in the workplace as well as life.	
Course Goals:	Upon successful completion of this course, the student will be able to:	
	Competencies: Steering & Suspension Systems Steering & suspension systems: Compo Checking steering system components Check and adjust wheel bearings Checking & adjusting power steering fl Checking suspension components Lubricating suspension components Checking shock absorbers Checking tire wear patterns Balance Tires Dismount, inspect and remount tire and Dismount, inspect and remount tire and Repair tire using and internal patch. Inspect, diagnose, and calibrate tire pres	uid wheel assembly wheel equipped with tire pressure sensor.
Major Course Projects: Project Outline:	identified by the National Automotive T Students will complete repair orders eac competencies on competency profiles th	the Automotive Service Industry as per standards Fechnicians Education Foundation (NATEF). ch day and will document completion of racking individual progress and accomplishment. on mock ups, shop vehicles, and live work as
-	student skills progress. These projects	will reinforce classroom theory instruction and try service information during the course of task
Instructional Delivery Plan:		omprised of multiple methods designed to arning styles including classroom lecture,
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classroom demonstrations, shop demonstrations, hands on learning activities, classroom discussion, interactive media, textbook, computer based learning activities, research projects, guest speakers, student presentations, and interactive learning with CPS (Classroom Performance System). Students will be required to practice the skills associated with the instructional content and will be required to work independently and also in teams. Assignments will require students to use academic skills in math, science, and language arts.

Assessment Plan: Students will be assessed according to three basic kinds of learning. Knowledge: Does the student possess the required knowledge to perform a specific competency? Skills: Does the student possess the necessary coordination to perform the task/competency? Attitude: Will the student perform the task/competency on the job after learning to do it? Students will also be assessed according to the basic work skills of attendance and promptness. Soft skills will be assessed in the Academic Career Center.

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	50% Daily work- Performance of technical skills on job, work habits, safety, clean-up, participation	
	50% Written assignment- Repair orders, textbook assignments, etc.	
	Grading Scale:A90-100Exceeds expectationsB80-89Meets industry standards and expectationsC70-79Passing grade, but does not meet some standardsD60-69Passing, but only meets the minimum standardsFBelow 60 Failing, does not meet minimum standards	
Alliance Credit Offered:	OSU Okmulgee	
Industry Alignments:	ASE Certification, ODCTE Certification,	
End of Instruction Industry Assessment:	ASE Certification, ODCTE Certification,	
Resources:	Automotive Excellence Vol. 1 and Vol. 2 Modern Automotive Technology Introduction to Automotive Service: Fundamental Concepts CDX Global Interactive Training Snap On Shop Key Alldata	
Attachments:	See Automotive Service Technology Task List Competency Handbook	