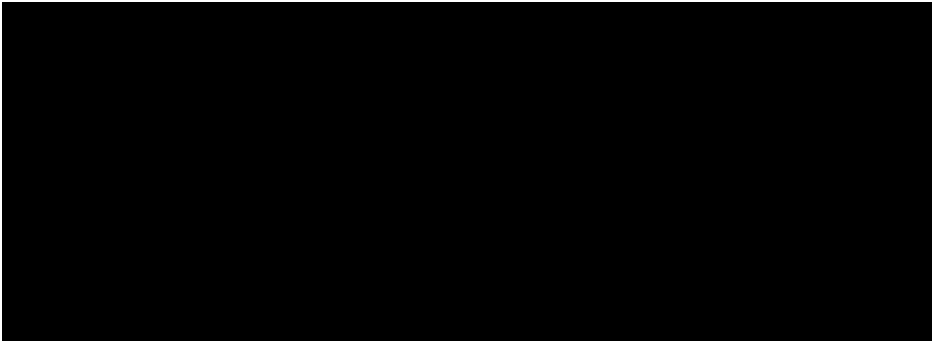


Suspension & Steering II

TEAU1240 251

Instructor Information



Course Description

This ASE-EF accredited course is a continuation of the study of suspension and steering systems. Students demonstrate their proficiency in the inspection, diagnosis, and repair of modern automotive suspension systems, steering systems, and wheel alignment. This lecture/lab course is part 2 of a 2-part course. It is recommended that students take TEAU 1050, TEAU 1100, TEAU 1150, TEAU 1160, TEAU 1210, TEAU 1250, and TEAU 1270 in the same semester as this course.

Prerequisite(s): TEAU 1140
TEAU 1010, with concurrency

Theory of operation, diagnostic and repair procedures involved with Steering & Suspension systems. Hands-on proficiency, diagnosis and repair through ASE-EF lab sheets may be included where permitted

Course Student Learning Outcomes

- Demonstrate proficiency in ASE-EF Suspension and Steering Master Automotive Service Technician (MAST) Tasks in accordance with industry standards.
- General Suspension and Steering.
- Wheel Alignment.
- Wheels and Tires.

Course Prerequisites

1. AUTO 1010 OR EQUIVALENT WITH A PASSING GRADE (74% or Greater). Students may be required to present academic transcript to enroll in this course.
2. COMPLETION AND CURRENT SP2 Automotive Service Safety AND Automotive Service Pollution Prevention certification. Fall Registration for 2022 will require Lift It Right Certifications also.

Communication Plan

Example language:

I will respond to email daily.

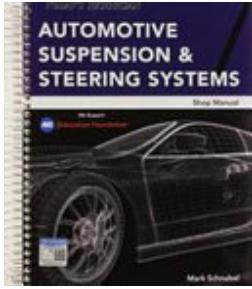
I will offer feedback on major assignments within 48 hours.

The best way to contact me is via the Canvas Inbox, as I will prioritize this email over other modes of communication.

Keys for Success (how to succeed in the course)

To prepare the student to succeed in this class: Obtain classroom text, attend Lecture and Lab as scheduled, complete the reading as assigned, take notes and participate in theory discussions, lab demonstrations, CANVAS and lab assignments including live work. Lab assignments are to be completed within specified timeframe listed on CANVAS. Best Advice... Use Your lab time wisely!

Required Text or Materials



Title: Today's Technician Auto Suspension & Steering System SM

Subtitle: Classroom and Shop Manuals

ISBN: 978-1-337-56735-0 & 978-1-337-56734-3

Authors: Mark Schnubel

Publisher: Cengage Learning

Publication Date: 2018-10-23

Edition: 7th

For more information on textbook accessibility, contact Accessibility & Disability Services at ads@slcc.edu.

Brief Description of Assignments/Exams

Each chapter in the Classroom Text includes 10 multiple choice questions relevant to the reading assignment. The student will answer only the multiple-choice questions found in CANVAS assigned to each chapter. One point will be awarded for every correct answer.

ALL Chapter AND Unit/Lab Assignments Due Dates are listed in CANVAS Not in CENGAGE and are also found in the assignment calendar that accompanies the syllabus. These tests questions/answers will not be accepted late for full credit unless excused in writing by the instructor, and will after be subject to 1/2 credit at instructor's discretion.

Lab assignments will consist of: ASE-EF task sheets and may also consist of live work when available. At the discretion of the instructor, Lab assignments may consist of 2 students per team. As part of the ASE-EF foundations requirements, EACH STUDENT in the team is required to have hands on experience with each task and is to record the findings and record research in his/her own words the outcome of the assignment or research document. ASE-EF task sheets may also require instructors signature verifying assignment has been completed to required standard. Students are to turn in individual assignment sheets when completed, and do their own work.

ASE-EF Task sheets may also consist solely of data research for a given subject. EACH student is asked to complete these RESEARCH Assignments on their own as a technician you will spend many hours in industry researching Service & Repair,

Specifications etc. to complete your repair tasks to specific manufacturer requirements. Each student is given access to 3 sources of Service Information which can be found on www.SLCC.edu/All Access... Mitchell, Alldata and Identifix resources can be also used or viewed off campus and completed from home if desired.

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points
	End of Chapter 5 Quiz	Quiz	22
	2 Alignments	Assignment	40
	Chapter 10 Labeling Activity	Assignment	8
	Chapter 6 Labeling Activity	Assignment	100
	Chapter 6 Labeling Activity 2	Assignment	10
	Chapter 6 Video Questions	Assignment	4
	Chapter 7 Labeling Activity	Assignment	14
	Chapter 7 Labeling Activity 2	Assignment	12
	Chapter 8 Labeling Activity	Assignment	30
	Chapter 9-1 Video Questions	Assignment	3
	Chapter 9-2 Video Questions	Assignment	4

Due Date	Assignment Name	Assignment Type	Points
	End of Chapter 1 Quiz	Quiz	32
	End of Chapter 10 Quiz	Quiz	26
	End of Chapter 11 Quiz	Quiz	24
	End of Chapter 12 Quiz	Quiz	16
	End of Chapter 13 Quiz Sorry this is a long chapter!	Quiz	50
	End of Chapter 14 Quiz	Quiz	8
	End of Chapter 2 Quiz	Quiz	24
	End of Chapter 3 Quiz	Quiz	26
	End of Chapter 4 Quiz	Quiz	20
	End of Chapter 6 Quiz	Quiz	48
	End of Chapter 7 Quiz	Quiz	20
	End of Chapter 8 Quiz	Quiz	32
	End of Chapter 9 Quiz	Quiz	36
	Inspections	Assignment	80
	Introduce Yourself	Discussion	0
	Lift it Right Certification	Assignment	100
	Roll Call Attendance	Assignment	100

Due Date	Assignment Name	Assignment Type	Points
	SP2 Automotive Service Pollution Prevention Certification	Assignment	100
	SP2 Automotive Service Safety Certification	Assignment	100
	Syllabus/Requirements Acknowledgement	Quiz	10
	Unit 1 Test	Quiz	60
	Unit 2 Test	Quiz	40
	Unit 3 Test	Quiz	63
	Unit 4 Test	Quiz	62
	Unit 5 Test	Quiz	22
	Unit 6 Test	Quiz	66
	Written Final Examination	Quiz	168

Grading Scale

To pass this course, a grade of is 80% or greater is required as per SLCC institutional grading system, see chart below...

A	100	to 94%	C	< 77.0%	to 74%
A-	< 94.0%	to 90%	C-	< 73.9%	to 70%
B+	< 90.0%	to 87%	D+	< 70.0%	to 67%
B	< 87.0%	to 84%	D	< 67.0%	to 64%

B- < 84.0% to 80%	D- < 64.0% to 61%
C+ < 80.0% to 77%	E < 61.0% to 0%

Grading for this course will be done as follows:

Prerequisites' to course (I.E Syllabus Acknowledgement, Lift it Right, Current SP2, Alldata)	10%
End of Chapter Quizzes/Homework Assignments (On CANVAS)	20%
End of Unit Quizzes (Testing completed in Computer Lab)	10%
Attendance/Participation (Classroom & Lab)	10%
Lab Assignments/Lab Sheets & Research Sheets	20%
Final Examination/Hands on Competency Test	30%
Total	100-%

How to Navigate to Canvas

Institutional Policies

As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

You can access the document by clicking on the following link:

<https://slcc.instructure.com/courses/530981/pages/institutional-syllabus>

Learning Support and Tutoring Services

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, please visit the Institutional Syllabus under the Tutoring and Learning Support tab: <https://slcc.instructure.com/courses/530981/pages/institutional-syllabus>. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

Advising and Counseling Support Services

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, please visit the Institutional Syllabus under the Advising and Counseling Support Services tab: <https://slcc.instructure.com/courses/530981/pages/institutional-syllabus>. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

Student Academic Calendar

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)

Additional Policies

Students may utilize personal vehicles for lab assignments where applicable. Lab Assignments are performed in lab and under the supervision of the instructor or designated lab personnel. For the safety of our students, lab vehicles and shop equipment, students must be present for pertinent lecture and/or must demonstrate the necessary safety, knowledge & skills to perform the individual lab assignment before

being allowed to do so. This course is an accelerated course and it may be difficult to make up a lab days if missed as some lab assignments are staged hours before the class begins and may need be taken down to accommodate the next class. Class Attendance is paramount.

Please note that the SLCC Automotive labs are to be used for the instruction of the student's current course discipline and is important to realize this course is not intended to promote a hobby shop environment. Students wishing to perform lab work on their personal vehicles MUST have a repair order and disclaimer signed by the student or owner of the vehicle before work is to be performed and all work must be authorized by instructor before work is performed.

SLCC Automotive Labs are not to be used for any personal or professional financial gain. Students abusing this privilege will be referred to the dean of students for academic review.

SLCC has a limited number of lab vehicles available for students to perform lab assignments. These vehicles may be used at the instructors discretion for chosen assignments. **NOTE SLCC LAB VEHICLES ARE NOT TO BE DRIVEN ON PUBLIC ROADS.**