

PM Chassis

TEDT - 1240 102

Course Description

Theory and practical experience in preventive maintenance and servicing of heavy-duty trucks and equipment. Includes batteries and electrical systems, driveline, chassis, fifth wheels, and suspension. Shop safety procedures and practices will be stressed.

Semester(s) taught: All

Course Student Learning Outcomes

- Demonstrate proficiency in Automotive Service Excellence-Education Foundation (ASE-T5 & T8) Suspension & Steering Systems Master Medium/Heavy Truck Technician Tasks in accordance with industry standards.
- General: Inspect and Service Suspension and Steering Components.
- Identify Wheel and Tire Vibrations and Make Corrective Adjustments.
- Check and Service Steering Pumps and Gear Units.
- Service Frame and Coupling Devices.
- Conduct Truck Inspection in Accordance with Utah State Manual.

Engagement Plan

- I will respond to email within 48 hours. I will offer feedback on major assignments within 24 hours. The best way to contact me is ddyer7@bruinmail.slcc.edu, as I will prioritize this email over other modes of communication.

- We will be meeting every weekday in the classroom of a lecture in class 1.5 -2 hours a day then we will go the lab for practical exercises pertaining to the class lecture. we will be in the lab approximately 3-4 hours daily.
- Lastly, we'll be holding small group Q & A sessions, where we can learn from our peers (and faculty) on some of the more difficult units within the course.

Keys for Success (how to succeed in the course)

Safety is paramount anyone engaging in unsafe acts that could harm themselves, other students, or the instructors and staff will be removed from the program.

Attendance is key to your success it will be 20 percent of your grade. If you need take any time off let the instructor know. If you get sick and cannot come to class, be sure to communicate with your instructor. If you miss more than three days consecutively you will be dropped from the class and you will need to reapply for the class. If you miss the first two days you will be dropped from the class. If you decide to leave early without arranging an exception with your instructor, you will be marked absent for the day. If we are in the shop do not leave before concluding the shop exercise for the day or you will be marked absent

Required Text or Materials

Title: Truck Text & CDX Online (2 Year) New 2nd Editions Bundle: Medium/Heavy Duty Commercial Vehicle Systems 2E + 2 Year CDX Online AND Medium/Heavy Duty Diesel Engines 2E + 2 Year CDX Online

ISBN: 9781284274073

Publisher: Jones & Bartlett

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

Brief Description of Assignments/Exams

You will have a lecture for 1.5-2 hours a day there will be modules that will need to be completed as homework. These modules are 5 question quizzes and end of chapter tests

they will be factored as 20 percent of your grade

Attendance is 20 percent of your grade.

Lab work will be accompanied with lab sheets or competencies that will be 20 percent of your grade.

Lab final will take place during the last week of class and will be 20 percent of your grade.

Class final exam will be taken the last day of the class, and all work must be completed before the class final unless exceptions have been arranged with your instructor. the lab final is 20 percent of your grade.

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points
	27-1 Quiz	Assignment	0
	27-1 Quiz	Quiz	5
	27-2 Quiz	Quiz	5
	27-3 Quiz	Quiz	5
	27-4 Quiz	Quiz	5
	27-5 Quiz	Assignment	0
	27-5 Quiz	Quiz	5
	27-6 Quiz	Assignment	0
	27-6 Quiz	Quiz	5
	27-7 Quiz	Quiz	5
	27-8 Quiz	Quiz	5
	27-9 Quiz	Assignment	0
	27-9 Quiz	Quiz	5

Due Date	Assignment Name	Assignment Type	Points
	28-1 Quiz	Quiz	5
	28-10 Quiz	Quiz	5
	28-11 Quiz	Quiz	5
	28-12 Quiz	Assignment	0
	28-12 Quiz	Quiz	5
	28-2 Quiz	Assignment	0
	28-2 Quiz	Quiz	5
	28-3 Quiz	Assignment	0
	28-3 Quiz	Quiz	5
	28-4 Quiz	Assignment	0
	28-4 Quiz	Quiz	5
	28-5 Quiz	Assignment	0
	28-5 Quiz	Quiz	5
	28-6 Quiz	Assignment	0
	28-6 Quiz	Quiz	5
	28-7 Quiz	Assignment	0
	28-7 Quiz	Quiz	5
	28-8 Quiz	Assignment	0
	28-8 Quiz	Quiz	5
	28-9 Quiz	Quiz	5
	29-1 Quiz	Quiz	5
	29-2 Quiz	Quiz	5

Due Date	Assignment Name	Assignment Type	Points
	29-3 Quiz	Assignment	0
	29-3 Quiz	Quiz	5
	29-4 Quiz	Quiz	5
	29-5 Quiz	Quiz	5
	29-6 Quiz	Assignment	0
	29-6 Quiz	Quiz	5
	29-7 Quiz	Quiz	5
	29-8 Quiz	Assignment	0
	29-8 Quiz	Quiz	5
	30-1 Quiz	Quiz	5
	30-2 Quiz	Assignment	0
	30-2 Quiz	Quiz	5
	30-3 Quiz	Assignment	0
	30-3 Quiz	Quiz	5
	30-4 Quiz	Assignment	0
	30-4 Quiz	Quiz	5
	30-5 Quiz	Assignment	0
	30-5 Quiz	Quiz	5
	30-6 Quiz	Assignment	0
	30-6 Quiz	Quiz	5
	31-1 Quiz	Assignment	0
	31-1 Quiz	Quiz	5

Due Date	Assignment Name	Assignment Type	Points
	31-2 Quiz	Assignment	0
	31-2 Quiz	Quiz	5
	31-3 Quiz	Quiz	5
	31-4 Quiz	Quiz	5
	31-5 Quiz	Quiz	5
	31-6 Quiz	Assignment	0
	31-6 Quiz	Quiz	5
	31-7 Quiz	Quiz	5
	32-1 Quiz	Assignment	0
	32-1 Quiz	Quiz	5
	32-10 Quiz	Assignment	0
	32-10 Quiz	Quiz	5
	32-2 Quiz	Assignment	0
	32-2 Quiz	Quiz	5
	32-3 Quiz	Assignment	0
	32-3 Quiz	Quiz	5
	32-4 Quiz	Quiz	5
	32-5 Quiz	Assignment	0
	32-5 Quiz	Quiz	5
	32-6 Quiz	Quiz	5
	32-7 Quiz	Assignment	0
	32-7 Quiz	Quiz	5

Due Date	Assignment Name	Assignment Type	Points
	32-8 Quiz	Assignment	0
	32-8 Quiz	Quiz	5
	32-9 Quiz	Quiz	5
	39-01 Quiz	Quiz	5
	39-02 Quiz	Quiz	5
	39-03 Quiz	Quiz	4
	39-04 Quiz	Quiz	5
	39-05 Quiz	Quiz	5
	39-06 Quiz	Quiz	5
	39-07 Quiz	Quiz	5
	39-08 Quiz	Quiz	5
	39-09 Quiz	Quiz	5
	39-10 Quiz	Quiz	5
	Announcements	Discussion	0
	Chapter 28 End of Chapter Questions	Assignment	0
	Chapter 28 Pretest	Assignment	0
	Chapter 29 End of Chapter Questions	Assignment	0
	Chapter 31 End of Chapter Questions	Assignment	0
	Chapter 31 Pretest	Assignment	0
	Chapter 32 End of Chapter Questions	Assignment	0

Due Date	Assignment Name	Assignment Type	Points
	Chapter 32 Pretest	Assignment	0
	Final Exam	Quiz	43
	Introduce Yourself	Discussion	0
	Introduce Yourself	Discussion	0
	Introduce Yourself	Discussion	0
	Tasksheet MHT4B001: Check steering wheel for free play, binding, and proper centering; inspect and service steering shaft U-joint(s), slip joint(s), bearings, bushings, and seals; phase steering shaft.	Assignment	10
	Tasksheet MHT4B003: Check cab mounting and adjust cab ride height.	Assignment	10
	Tasksheet MHT4C001: Check power steering pump and gear operation, mountings, lines, and hoses; check fluid level and condition; service filter; inspect system for leaks.	Assignment	10

Due Date	Assignment Name	Assignment Type	Points
	Tasksheet MHT4C005: Inspect and/or replace power steering system cooler, lines, hoses, clamps, mountings, and fittings.	Assignment	10
	Tasksheet MHT4H003: Inspect, install, and/or replace frame hangers, brackets, and cross members; determine needed action.	Assignment	10

Grading Scale

A 100% - 85%

B 84% - 70%

E less than 70%

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.

For more information, navigate to the Institutional Policies tab on the [Institutional Syllabus](#) page.

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, visit the [Institutional Syllabus](#) page under the Tutoring and Learning Support tab. 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, visit the [Institutional Syllabus](#) page under the Advising and Counseling Support Services tab. 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](#)