

Automotive Braking Systems II

TEAU - 1250 251

Course Description

This ASE-EF accredited course continues the study of automotive braking systems. Students demonstrate their proficiency in the diagnosis and repair of modern braking systems. 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 1140, TEAU 1160, TEAU 1240, and TEAU 1270 in the same semester as this course.

Prerequisite(s): TEAU 1010 (with concurrency) and TEAU 1150

Course Student Learning Outcomes

- Demonstrate proficiency in ASE-EF Brakes Master Automotive Service Technician (MAST) Tasks in accordance with industry standards.
- General Brakes.
- Hydraulic System.
- Drum Brakes.
- Disc Brakes.
- Power-Assist Systems.
- Related Systems (i.e. Wheel Bearings, Parking Brakes, Electrical).
- Electronic Brake, Traction Control, and Stability Control Systems.

Engagement Plan

Example language:

- I will respond to email within [insert your timeline]. I will offer feedback on major assignments within [insert your timeline]. The best way to contact me is via the Canvas Inbox, as I will prioritize this email over other modes of communication.
- In this course I will be posting interactive announcements which will offer specific opportunities for class questions and extra credit every other week.
- Additionally, I will be participating in the discussion forums with you to share my perspective within the discipline and to offer some nuances of interpretation that may not be present in your textbook.
- 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)

I expect professionalism. Conducting yourself in this manner will put money in your pocket.

Team concepts that are commonplace within the industry at dealerships and aftermarket shops are incorporated in this course. Students are expected to check their Canvas site daily, contact or message instructor in the event of an illness or absence, track their individual course progress, and prepare reflections on course content or assigned selected topics.

Required Text or Materials

Title: Today's Technician: Automotive Brake Systems Classroom and Shop Manual

ISBN: 13: 9781337564533

Authors: Ken Pickerill

Publisher: Cengage Learning

Publication Date: 2019

Edition: 7th

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

Brief Description of Assignments/Exams

Assignments and Exams will be written and hands on

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points
	Click Here to Register for MindTap AUTO 1350	Assignment	10
	End Of Chapter 1 Quiz	Quiz	15
	End of Chapter 10 Quiz	Quiz	10
	End of Chapter 11 Quiz	Quiz	0
	End of Chapter 11 Test	Quiz	22
	End Of Chapter 2 Quiz	Quiz	21
	End of Chapter 3 Quiz	Quiz	15
	End of Chapter 4 Quiz	Quiz	10
	End of Chapter 5 Quiz	Quiz	13
	End of Chapter 6 Quiz	Quiz	8
	End of Chapter 7 Quiz	Quiz	14
	End of Chapter 8 Quiz	Quiz	10
	End of Chapter 9 Quiz	Quiz	9
	Final Written Examination	Quiz	106

Due Date	Assignment Name	Assignment Type	Points
	Hands On Final Examination	Quiz	100
	Introduce Yourself	Discussion	0
	Introduce Yourself	Discussion	0
	Introduce Yourself	Discussion	0
	Lab Assignments/Research Packet Unit #1	Assignment	50
	Lab Assignments/Research Packet Unit #2	Assignment	80
	Lab Assignments/Research Packet Unit #3	Assignment	90
	Lab Assignments/Research Packet Unit #4	Assignment	80
	Lab Assignments/Research Packet Unit #5	Assignment	30
	Lift it Right Certification	Assignment	100
	Required Course Syllabus Acknowledgement	Quiz	10
	Roll Call Attendance	Assignment	100
	Safety Walk Through Assignment	Assignment	20

Due Date	Assignment Name	Assignment Type	Points
	SP2 Module 13: Certification Test	Assignment	100
	SP2 Module 20: Final Certification Test	Assignment	100
	TEAU-1250-040-SLTC Competency Based 2023-24	Assignment	100
	Unit 1 Test	Quiz	33
	Unit 2 Test	Quiz	30
	Unit 3 Test	Quiz	35
	Unit 4 Test	Quiz	50
	Unit 5 Test	Quiz	25

Grading Scale

Grades will be assigned for performance in accordance with the policy outlined in the college catalog. The final grade is based the total number of points received in several areas. The final grade will be computed as percentage of total possible points listed in Canvas grading section.

Grading Rubric:

Chapter Assessments 18%

Task Sheets / Work Sheets / Reflection 13%

Formative Exam 17%

Summative Exam 22%

Shop / Lab / Live work 30%

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](#)