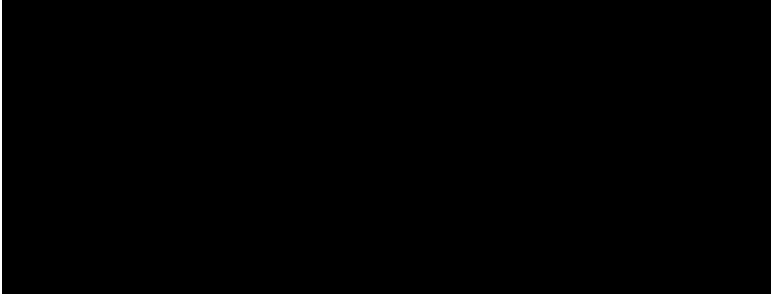


# Automotive Braking Systems II

TEAU1250 251

## Instructor Information

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## Course Description

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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

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This lecture/lab course is part 2 of a 2-part course.

## Course Student Learning Outcomes

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- 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.

## Course Prerequisites

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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.

## Transfer/Certification/Licensure/Employment Information

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The automotive industry is at the cutting edge of technology and there is a great demand for highly trained, customer-oriented auto technicians. Skills in automotive technology, diagnosis and repair open the doors to a multitude of jobs throughout the state and nation.

Automotive Technicians & Repairers

Entry-Level Wage: \$14.32

Median Wage: \$22.24

Monthly Openings: 149

Lightcast Economic Modeling

Occupational Data, 2024, Salt Lake County,

## Communication Plan

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Example language:

- I will respond to email within 48 hours. 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.
- 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.

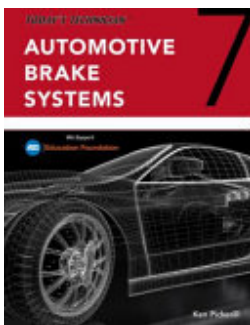
## Keys for Success (how to succeed in the course)

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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

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**Title:** Today's Technician

**ISBN:** 9781337564526

**Authors:** Ken Pickerill

**Publisher:** Mindtap Course List

**Publication Date:** 2018-02-23

**Edition:** 7th

For more information on textbook accessibility, contact Accessibility & Disability Services at [ads@slcc.edu](mailto:ads@slcc.edu).

## Brief Description of Assignments/Exams

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The course progression is outlined in modules in Canvas with the assignment description, point values, due dates, and other course dates or notes. All assignments and due dates are also listed chronologically in the Canvas calendar. Assignments can be submitted in person (on paper) or submitted electronically in canvas using a file type openable in Canvas.

## Assignment Schedule

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Due Date	Assignment Name	Assignment Type	Points
	<a href="#">Chapter 10 Matching Activity</a>	Assignment	10
	<a href="#">Chapter 10 Video Questions</a>	Assignment	5
	<a href="#">Chapter 2 Video Questions (Classroom)</a>	Assignment	10
	<a href="#">Chapter 2 Video Questions (Shop)</a>	Assignment	5
	<a href="#">Chapter 3 Labeling Activity</a>	Assignment	10
	<a href="#">Chapter 3 Video Questions</a>	Assignment	5
	<a href="#">Chapter 4 Labeling Activity</a>	Assignment	10
	<a href="#">Chapter 5 Labeling Activity</a>	Assignment	10

<b>Due Date</b>	<b>Assignment Name</b>	<b>Assignment Type</b>	<b>Points</b>
	<a href="#">Chapter 6 Labeling Activity</a>	Assignment	10
	<a href="#">Chapter 6 Labeling Activity</a>	Assignment	10
	<a href="#">Chapter 7 Labeling Activity</a>	Assignment	10
	<a href="#">Chapter 8 Labeling Activity</a>	Assignment	10
	<a href="#">Chapter 8 Video Questions</a>	Assignment	4
	<a href="#">Chapter 9 Labeling Activity</a>	Assignment	10
	<a href="#">Chapter 9 Labeling Activity</a>	Assignment	10
	<a href="#">Click Here to Register for MindTap AUTO 1350</a>	Assignment	10
	<a href="#">End Of Chapter 1 Quiz</a>	Quiz	15
	<a href="#">End of Chapter 10 Quiz</a>	Quiz	10
	<a href="#">End of Chapter 11 Quiz</a>	Quiz	0
	<a href="#">End of Chapter 11 Test</a>	Quiz	22
	<a href="#">End Of Chapter 2 Quiz</a>	Quiz	21
	<a href="#">End of Chapter 3 Quiz</a>	Quiz	15
	<a href="#">End of Chapter 4 Quiz</a>	Quiz	10

<b>Due Date</b>	<b>Assignment Name</b>	<b>Assignment Type</b>	<b>Points</b>
	<a href="#">End of Chapter 5 Quiz</a>	Quiz	13
	<a href="#">End of Chapter 6 Quiz</a>	Quiz	8
	<a href="#">End of Chapter 7 Quiz</a>	Quiz	14
	<a href="#">End of Chapter 8 Quiz</a>	Quiz	10
	<a href="#">End of Chapter 9 Quiz</a>	Quiz	9
	<a href="#">Final Written Examination</a>	Quiz	106
	<a href="#">Hands On Final Examination</a>	Quiz	100
	<a href="#">Introduce Yourself</a>	Discussion	0
	<a href="#">Lab Assignments/Research Packet Unit #1</a>	Assignment	50
	<a href="#">Lab Assignments/Research Packet Unit #2</a>	Assignment	80
	<a href="#">Lab Assignments/Research Packet Unit #3</a>	Assignment	90
	<a href="#">Lab Assignments/Research Packet Unit #4</a>	Assignment	80
	<a href="#">Lab Assignments/Research Packet Unit #5</a>	Assignment	30
	<a href="#">Lift it Right Certification</a>	Assignment	100

<b>Due Date</b>	<b>Assignment Name</b>	<b>Assignment Type</b>	<b>Points</b>
	<a href="#"><u>Photo Sequence 10: Typical Procedure for Vacuum Booster Testing</u></a>	Assignment	10
	<a href="#"><u>Photo Sequence 14: Mounting a Floating Rotor (Drum) on a Brake Lathe</u></a>	Assignment	10
	<a href="#"><u>Photo Sequence 17: Typical Procedure for Removing a Brake Drum from a Rear Axle</u></a>	Assignment	10
	<a href="#"><u>Photo Sequence 21: Typical Procedure for Inspecting and Adjusting Rear Drum Parking Brakes</u></a>	Assignment	10
	<a href="#"><u>Photo Sequence 3: Removing and Installing a Bearing Race</u></a>	Assignment	10
	<a href="#"><u>Photo Sequence 6: Typical Procedure for Bench Bleeding a Master Cylinder</u></a>	Assignment	10
	<a href="#"><u>Photo Sequence 8: Typical Procedure for Fabricating and Replacing a Brake Line</u></a>	Assignment	10

Due Date	Assignment Name	Assignment Type	Points
	<a href="#">Required Course Syllabus Acknowledgement</a>	Quiz	10
	<a href="#">Roll Call Attendance</a>	Assignment	100
	<a href="#">Safety Walk Through Assignment</a>	Assignment	20
	<a href="#">SP2 Module 13: Certification Test</a>	Assignment	100
	<a href="#">SP2 Module 20: Final Certification Test</a>	Assignment	100
	<a href="#">TEAU-1250-040-SLTC Competency Based 2023-24</a>	Assignment	100
	<a href="#">Unit 1 Test</a>	Quiz	33
	<a href="#">Unit 2 Test</a>	Quiz	30
	<a href="#">Unit 3 Test</a>	Quiz	35
	<a href="#">Unit 4 Test</a>	Quiz	50
	<a href="#">Unit 5 Test</a>	Quiz	25

## Grading Scale

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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

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### Institutional Policies

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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

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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

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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

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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](#)