

Automatic Transmissions

AUTO - 2120 001

Course Description

This ASE-EF accredited course is a study of the automotive automatic transmission & transaxle systems. In this lecture/lab course students demonstrate their proficiency in the design theory, maintenance, diagnosis, and repair of modern automotive automatic transmissions & transaxles. It is recommended that students take AUTO 2130 and AUTO 2160 in the same semester as this course.

Prereq: Successful completion of all TEAU (SLTC) Courses: TEAU 1010, TEAU 1050, TEAU 1100, TEAU 1140, TEAU 1150, TEAU 1160, TEAU 1210, TEAU 1240, TEAU 1250, and TEAU 1270.

Semesters: Fall, Spring, Summer

Course Student Learning Outcomes

- Demonstrate proficiency in Automotive Service Excellence-Education Foundation (ASE-EF) Master Automotive Service Technology (MAST) tasks in accordance with industry standards.
- Assigned lab work to complete in a professional manner, by working in teams in automotive labs that emulate industry automotive shops.

Course Prerequisites

Successful completion of all TEAU (Salt Lake Technical College) Courses: TEAU 1010, TEAU 1050, TEAU 1100, TEAU 1150, TEAU 1140, TEAU 1160, TEAU 1210, TEAU 1250, TEAU 1240, and TEAU 1270.

Recommended Co-requisite: AUTO 2160, AUTO 2120

Engagement Plan

- I will respond to email within 24 hours. I will offer feedback on major assignments within 5 days. The best way to contact me is via the Canvas Inbox, as I will prioritize this message system over other modes of communication.

Keys for Success (how to succeed in the course)

- I expect professionalism. I believe that conducting yourself in this manner will be beneficial in your career.
- Team concepts that are commonplace within the industry at dealerships and aftermarket shops are incorporated in this course. Work in a collegial manner.
- Students are to check their Canvas site daily.
- Contact or message the instructor in the event of an illness or absence and advise instructor of your attendance if arriving after roll is taken.
- You will track your course progress and prepare reflections on course content or assigned selected topics.

Required Text or Materials

Title: AUTOMATIC TRANSMISSIONS AND TRANSAXLES CLASSROOM MANUAL, 7th Edition
AUTOMATIC TRANSMISSIONS AND TRANSAXLES SHOP MANUAL, 7th Edition

ISBN: 9781337792158

Authors: Jack Erjavec/Pickerill

Publisher: Delmar, Cengage Learning

Publication Date: 2020

Edition: 7th Edition

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

Additional Materials

Automotive service tools to perform lab work.

Safety glasses are required in the lab at all time.

Brief Description of Assignments/Exams

- All assignments with due dates are listed in the Canvas modules.
- All assignments are also listed chronologically in your Canvas calendar.
- Assignments can be submitted in person (on paper) or submitted electronically in Canvas.
- A test for each section, and a final exam are given for Automatic Transmission and Transaxles. These tests are closed book unless specified and can include multiple choice, true/false, short answer, and essay type questions.

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points
	Introduce Yourself	Discussion	0
	Introduce Yourself	Discussion	0
	Introduce Yourself	Discussion	0
	Roll Call Attendance	Assignment	100
10/1/25	Class Expectations	Quiz	20
10/2/25	SP-2 Certificates	Assignment	30
10/3/25	Acknowledgement of Syllabus	Quiz	1

Due Date	Assignment Name	Assignment Type	Points
10/3/25	ATRA Training sign up	Quiz	1
10/3/25	Job Sheet 1	Assignment	10
10/3/25	Job Sheet 2	Assignment	10
10/6/25	Chapter 1	Quiz	20
10/6/25	Chapter 1 Fill-in the Blank Chapter Review	Assignment	10
10/7/25	Chapter 2	Quiz	20
10/7/25	Chapter 2 Fill-in the Blank Chapter Review	Assignment	10
10/8/25	Section 1 Quiz	Quiz	0
10/10/25	Chapter 3	Quiz	20
10/10/25	Chapter 3 Fill-in the Blank Chapter Review	Assignment	10
10/10/25	Job Sheet 5	Assignment	40
10/10/25	Job Sheet 8	Assignment	10
10/10/25	Worksheet 1 (Chap 5)	Assignment	20
10/13/25	Section 1 Test	Quiz	40
10/14/25	Section 1 Reflection	Assignment	10
10/15/25	Chapter 4	Quiz	20
10/15/25	Chapter 4 Fill-in the Blank Chapter Review	Assignment	10
10/15/25	Worksheet 7	Assignment	40
10/20/25	Chapter 5	Quiz	20

Due Date	Assignment Name	Assignment Type	Points
10/20/25	Chapter 5 Fill-in the Blank Chapter Review	Assignment	10
10/21/25	Section 2 Quiz	Quiz	0
10/22/25	Chapter 6	Quiz	20
10/22/25	Chapter 6 Fill-in the Blank Chapter Review	Assignment	10
10/23/25	Section 2 Test	Quiz	40
10/23/25	Job Sheet 10	Assignment	20
10/23/25	Job Sheet 21	Assignment	20
10/23/25	Worksheet 6	Assignment	20
10/24/25	Section 2 Reflection	Assignment	10
10/28/25	Chapter 7	Quiz	20
10/28/25	Chapter 7 Fill-in the Blank Chapter Review	Assignment	10
10/29/25	Job Sheet 19	Assignment	20
10/30/25	Chapter 8	Quiz	20
10/30/25	Chapter 8 Fill-in the Blank Chapter Review	Assignment	10
10/31/25	Section 3 Quiz	Quiz	0
11/3/25	Chapter 9	Quiz	20
11/3/25	Chapter 9 Fill-in the Blank Chapter Review	Assignment	10
11/3/25	Live Work	Assignment	298

Due Date	Assignment Name	Assignment Type	Points
11/3/25	Live Work Extra Credit 20 to 40 Points	Assignment	0
11/4/25	Chapter 10 Extra Credit up to 20 points	Assignment	0
11/4/25	Total Course Reflection	Assignment	50
11/5/25	Final Exam	Quiz	200

Grading Scale

Automatic Transmission Course: Point Structure/Breakdown 1280 Points Possible

Assignments	Points	Percentage
In-Class Projects/Attendance	190	14.8%
Book-work Assignments	180	14.1%
Quizzes/Section Tests	110	8.6%
Final Exam	200	15.6%
Live Work	298 (220 Minimum)	23.3%
Worksheets/ Job Sheets	210	16.4%
Course Reflection	92	7.2%

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](#)