

Safety & Intro to Auto Service

TEAU - 1060 252

Course Student Learning Outcomes

- Practice personal safety and proper lifting rules and procedures.
- Identify occupational rules and regulations, including proper disposal of hazardous waste.
- Identify industry hand, power, and measuring tools and demonstrate proper cleaning, storing, maintaining, and operating procedures.
- Explain engine theory, design, and operation.
- Perform a visual and multipoint vehicle inspection and complete the required work order or report.
- Pass an industry accepted safety certification.
- Identify major vehicle components and proper maintenance procedures.
- Practice building and maintaining good working relationships with peers.

Course Prerequisites

This class is mandatory for the automotive program. Is a prerequisite for all the other automotive program classes.

Engagement Plan

I will respond to email within [48hrs]

I will offer feedback on major assignments within [48hrs].

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

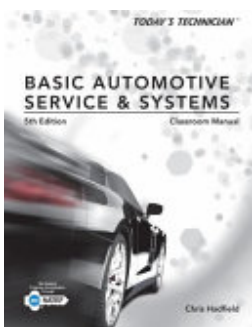
Keys for Success (how to succeed in the course)

Showing up to class and be on time everyday. Be willing to learn and participating in class discussions and lab exercises. Be prepared for class by reading the text book and doing online training modules.

Additional Materials

Start working on getting your tools and tool box.

Required Text or Materials



Title: Today's Technician: Basic Automotive Service and Systems, Classroom Manual and Shop Manual

ISBN: Classroom and Shop manual 978-1-337-79566-1

Authors: Chris Hadfield

Publisher: Cengage Learning

Publication Date: 2022

Edition: 6th

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

Required Equipment

Safety glasses and automotive service tools to perform Lab work or live work.

Students will wear industry approved clothing such as long pants and a uniform style shirt or coveralls with closed-toed shoes during all lab activities.

Brief Description of Assignments/Exams

Exams:

Note: Quizzes or Exams cannot be made up so expect to attend.

Formative quizzes for each section and a summative final exam are given for this course. These tests are closed book unless specified and can include multiple choice, true/false, fill-in the blank and essay type questions. See the Canvas modules for dates, points, and grading.

Major Assignments:

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.

Preparation:

Read the classroom manual and shop manual chapters indicated in each section. Pay attention during lecture and review additional information provided. Questions included on tests or quizzes are often derived from the additional presented materials.

Lab Requirements:

Complete live work assignments and job sheets/worksheets as shown in the Canvas modules. Safety glasses are required in the shop area. Please always follow safe shop practices. Final grades will be affected due to safety violations.

Lab clean-up days noted in the Canvas calendar are mandatory and our participation in lab cleaning/maintenance is required. Additional clean-up days as necessary based on lab condition.

Live Work/ Lab Projects:

All vehicles in the automotive shop require a completed Lab invoice/release document. Invoices must reflect the repair process descriptions to industry standards. A Lab invoice/release for the project must be turned in upon completion. Contact the instructor to determine availability.

You are encouraged to schedule work for the Automotive Lab. Consult with the instructor to check availability of special tools, parts and time needed. Remember: you are responsible for the successful completion of the Lab work you do.

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points
	Subaru StarU - Introduction to Vehicle Maintenance Day 1	Assignment	20
	Acknowledgement of Syllabus	Quiz	10
	Alldata Research Scavenger Hunt...	Quiz	100
	Automotive Lift Institute - Lifting it Right	Assignment	15
	Battery Capacity and Charging	Assignment	20
	Battery Fluids Belts and Hoses	Assignment	20
	Battery Inspection and Testing	Assignment	20
	Chapter 1 Quiz	Quiz	10
	Chapter 2 Quiz	Quiz	10
	Chapter 3 Quiz	Quiz	10
	Chapter 4 Quiz	Quiz	10
	Chapter 8 Quiz	Quiz	0
	Check Exterior and Interior Lights	Assignment	20

Due Date	Assignment Name	Assignment Type	Points
	Discuss Inspection Results with Service Advisor	Assignment	20
	Drain Engine Oil Reinstall Drain Plug	Assignment	20
	Drive Belt and Cooling Hose Inspection	Assignment	20
	Express Service Choreography	Assignment	20
	Express Service Resources	Assignment	20
	Fill Engine Oil Run Engine Recheck	Assignment	20
	Genesis - Understanding Multi- Point Inspection	Assignment	10
	GM Training - 3 Cs	Assignment	5
	How To Be Successful - SkillsUSA	Assignment	10
	Initial Inspection 1	Assignment	20
	Inspect Brakes	Assignment	20
	Inspect Engine Air/Dust/Pollen Filter	Assignment	20
	Inspect Tires Remove Rotate Install	Assignment	20

Due Date	Assignment Name	Assignment Type	Points
	Inspect Undercarriage Exhaust Suspension	Assignment	20
	Introduce Yourself	Discussion	0
	Introduce Yourself	Discussion	0
	Introduction to Warranty	Assignment	20
	Job sheet 1 - Preparing a Work Order	Assignment	10
	Job Sheet 12 - Conversions	Assignment	15
	Job Sheet 13 - Decimals	Assignment	15
	Job Sheet 16 - Bolt and Nut Identification	Assignment	15
	Job Sheet 23 - Inspect, Service, and Testing the Battery	Assignment	10
	Job Sheet 27 - Performing Engine Oil and Filter Change	Assignment	10
	Job Sheet 3 - Collecting Service Information	Assignment	10
	Job Sheet 5 - Identifying Personal Protective Equipment	Assignment	10

Due Date	Assignment Name	Assignment Type	Points
	Job Sheet 53 - Cooling System Inspection	Assignment	10
	Job Sheet 55 - Underhood Inspection	Assignment	10
	Job Sheet 57 - Undercarriage Inspection	Assignment	10
	Job Sheet 58 - Complete a Vehicle Inspection	Assignment	20
	Job Sheet 59 - Connecting a Scan Tool	Assignment	10
	Job Sheet 7 - Raising a Vehicle	Assignment	10
	Job Sheet 8 - Floor Jack Operation	Assignment	10
	Job Sheet 9 - Using an Impact Wrench and a Torque Wrench	Assignment	10
	Learn about the SARC (Race team).	Assignment	10
	Oil Filter Replacement Tips	Assignment	20
	Optimizing Express Service Teamwork	Assignment	20
	Prologue MPI	Assignment	20

Due Date	Assignment Name	Assignment Type	Points
	Remove and Replace Engine Oil Filter	Assignment	20
	Reset Maintenance Minder/Calibrate	Assignment	20
	Roll Call Attendance	Assignment	100
	S/P2 Automotive Service Pollution Prevention	Assignment	10
	S/P2 Automotive Service Safety	Assignment	30
	Safety Data Sheet	Assignment	25
	Safety Walkaround	Assignment	20
	Service Info Search Overview	Assignment	20
	SP2 Ethics and YOU in the Automotive Industry	Assignment	20
	State of Utah Department of Public Safety Official Vehicle Inspection Manual	Assignment	10
	Subaru Star-U Maintenance Day 2	Assignment	20
	Technician Time Warranty	Assignment	20
	The 3 Cs of Warranty Repair	Assignment	20

Due Date	Assignment Name	Assignment Type	Points
	Torque Procedures	Assignment	20
	Toyota - FIRET TDLR-61	Assignment	10
	Underhood Sample	Quiz	0
	VIN Decoding, On Car Labeling	Quiz	60

Academic Integrity

The student is expected to follow the SLCC Student Code of Conduct found in the Code of Student Rights and Responsibilities.

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%

SLTech grading

A 100% - 85%

B 85% - 70%

E less than 70%

Final grades are calculated on available points. To earn a Pass, a score a cumulative score of 70% or higher is required.

How to Navigate to Canvas

ADA Statement <http://www.slcc.edu/drc/index.aspx>

Students with medical, psychological, learning or other disabilities desiring accommodations or services under ADA, should contact the Disability Resource Center (DRC). The DRC determines eligibility for and authorizes the provision of these accommodations and services for the college. Please contact the DRC at the Student Center, Suite 244, Redwood Campus, 4600 So. Redwood Rd, 84123. Phone: (801) 957-4659, TTY: 957-4646, Fax: 957- 4947 or by drc@slcc.edu.

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](#)

[Additional Policies](#)

Attendance and Participation:

Plan to attend all lecture and lab classes. Your participation in the classroom is expected and encouraged.

1 absence a student receives no higher than a 91% cumulative score

2 absences a student receives no higher than an 83% cumulative score

3 late arrivals or early exits equals 1 absence.

For example: 1 absence and 3 late arrivals would equal no higher than an 83% cumulative score

Student Contribution:

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.

Cell Phones

If you are expecting an emergency call, put your cell phone on silent notification, and take the call outside of the classroom. Text messaging is not permitted in the classroom at any time. Please restrict the use of cell phones, tablets, and laptops in the classroom to taking notes or conducting research that is relevant to the discussion.