

COURSE SYLLABUS

AUTO 9

Instructor: Mr. Peters
Phone: (559) 638-0372
E-mail: nathan.peters@reedleycollege.edu
Office Hours: by appointment
Class meets: Tuesdays and Thursdays 4:15pm-5:30pm
Start date: January 12 End date: May 18
Course: AUTO ESSENTIALS (AUTOT-9)
Course Number: 56495
Session: Spring 2021
Room: IND 11

Basic Skills Advisories: Eligibility for English 125 and 126. (A, CSU)
Pre-requisite for: AUTO10 and AUTO11

Class Expectations

It is the expectation of the Instructor that the student gains pertinent information about his/her vehicle. By the end of the course, he/she should have basic knowledge of the Automobile and some of its service and repair procedures. Students will be taught information related to safety practices commonly used on Automobiles and shop facilities. A weekly time card will be used to verify attendance. Students will need to have their time cards stamped before the 4:15pm class start time. Timecards stamped after 4:15pm will be marked as a tardy. No stamp will be counted as an absence.

Course Objectives

In the process of completing this course, students will:

1. Recommend repair methods and cost estimates for vehicle repairs.
2. Describe vehicle operating systems and subsystems.
3. Demonstrate the safe use of automotive hand tools and shop service equipment.
4. Analyze vehicle malfunctions.

Course SLOs

1. Demonstrate safe use of hand tools and service equipment.
2. Explain normal system operations and malfunction diagnostic strategies.
3. Identify and describe the tools and service equipment used for automotive service and repair.
4. Identify and discuss automotive systems and subsystems.
5. Recommend repair methods and cost estimates for common automotive service and repair.

Course Description

This course is an overview of the automobile and its basic components. General servicing procedures and basic troubleshooting are included for anyone needing an introduction to the operating principles of the automobile. Students will be instructed by lecture, Power point, taking notes, outlining chapters and / or chapter questions, and Instructor demonstrations. There are Quizzes, a Midterm exam, and a Final exam. There is no lab designed for this course.

Required text

Gilles, Tim AUTOMOTIVE SERVICE Inspection, Maintenance, Repair. 6th Ed. Delmar Cengage Learning

ISBN-10: 1-337-79403-1

Grading

11 Quizzes @ 10 points each

16 Ch. Tests worth 280 points

Mid-Term and Final 50 Points each

Time Card and Participation 130 points possible

Grade Distribution

Points Possible	Grade	Percent
620- 558	A	90%
557-496	B	80%
495-434	C	70%
433-372	D	60%
371-0	F	59.9% or less

Attendance

Attendance will play a factor if you are to successfully pass this course. Attendance will be taken each meeting. We will meet for a total of 34 class sessions over an 18 week period.

- a. **Three** absence allowed for the Fall Semester.
- b. **Three** tardies or leaving early add up to one absence. Please be on time.
- c. **Student will be dropped from class for excessive tardies/absences.**
 1. The drop date without receiving a W is the end of the third week of instruction **Friday January 29, 2021**
 2. The drop date without credit deadline is the end of the 9th week of instruction **Friday March 12, 2021** (a letter grade is issued after this date). The student will be evaluated by quizzes, exams, homework and attendance.

3. Falling asleep in class and/or disruptive behavior **will not be tolerated.**
If student is asked to leave for such actions this will result in student being counted absent for the day.
4. Use of cell phones during class will not be allowed. Please put cell phones on silent mode or turn off prior to start of each class.

Assignments

1. Students will follow the “Class Lecture Schedule” for reading assignments.
2. Make-up of exams and quizzes.
 - a. It is the student’s responsibility to contact instructor in person, (e-mail or other possible method) to request make-up work.
 - b. Exam or quiz cannot be made up if:
 1. Reviewed in class
 2. Excuse for absence is unacceptable
 3. The final exam may not be made-up
 - c. Make-up quiz/exam will be arranged by the instructor
3. All homework will be turned in on the assigned date. **All late assignments will be penalized a minimum of one grade, and one grade for each class period late.**
4. Electronic duplication from other students or sources is prohibited if not approved by instructor.
5. Copying, cheating of any kind will not be accepted
6. The student’s resource materials, power points, lecture notes and other associated materials are to be used by the individual student during quizzes and tests.

Class Lecture Schedule

Jan 12	Intro., Syllabi, Shop Tour
Jan 14	Ch 1, Intro to the Automobile,
Jan 19	Ch 3-Shop Safety
Jan 21	Ch 13/14 Basic maintenance
Jan 26	Ch 7 Tools & Fasteners, Torque specifications
Jan 28	Ch 12 Engine Lubrication
Feb 2	Ch 15 Engine Introduction
Feb 4	Ch 16 Engine Classifications (CONFERZOOM LECTURE)
Feb 9	Ch 20 Cooling System
Feb 11	Ch 6 Measuring tool, Micrometers
Feb 16	Ch 6 Measuring tool, Micrometers
Feb 18	Ch 25 Basic Electrical
Feb 23	Ch 26 Batteries
Feb 25	Ch 28 Starting
Mar 2	Ch 30 Charging
Mar 4	(Multi Meter use, Lab)
Mar 9	Ch 37 Ignition Systems
Mar 11	<u>Mid-Term Examination</u>

Mar 16	Ch 39 Fuels
Mar 18	Ch 40 Fuel Systems
Mar 23	Ch 43 Emissions
Mar 25	Ch 42 Intake and Exhaust
March 29- April 2 Spring Break (No classes)	
Apr 6	Ch 73 Auto Trans
Apr 8	Ch 71 Manual Trans
Apr 13	Ch 75 Driveline
Apr 15	Ch 63 Suspension
Apr 20	Ch 61 Tires/Wheels
Apr 22	Ch 65 Steering
Apr 27	Ch 67 Alignment
Apr 29	Ch 57 Brakes
May 4	Ch 57/59 Brakes - ABS/Traction/Stability
May 6	Ch 35 HVAC
May 11	Career in Automotive or Alternative fuels
May 13	Review for Final
May 18	Final Exam

The student is responsible for reading the material to be covered prior to class. This will prepare students for the topic to be covered during the class period. Please read the chapters and make notes of questions you may have, in order to ask / participate during the next class meeting.

Some chapters are not covered due to limited class time. Students are encouraged to review the additional chapters not covered during the class, for further enrichment and a deeper understanding of the automobile.

Quiz Schedule

There will be 10 Quizzes for this class. The Quiz will be on the content discussed prior to quiz.

Homework Assignments

Homework Assignments will be turned in on Canvas before the beginning of class. All homework, notes, and power points should be kept safe and used as reference materials for this class.

Having Trouble?

If at any time you are having trouble succeeding in this course, whether because of a change in your life circumstances or because of something you don't understand about the material- please see me. There may be services available to assist Reedley College students succeed in their coursework depending on the circumstances.

Accommodations for Students with Disabilities

If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or section 504 of the Rehabilitation Act, please contact me as soon as possible.

COVID-19 SAFETY PRACTICES

Students should evaluate their own health daily and must complete the online health screening available daily:

https://sccd.az1.qualtrics.com/jfe/form/SV_3IO880HybZg7ajX

If they have any of the following symptoms, they should not attend class. Students are encouraged to contact the nurse or healthcare provider for further guidance. Common COVID-19 symptoms include, but are not limited to:

- Cough
- Sore throat
- Shortness of breath
- Runny nose (not due to seasonal allergies)
- Fever (100.4 degrees or more)
- And/or chill

Students should also not attend class if they have had close contact with anyone who has had these symptoms in the last 14 days.

Facial Coverings: Students and instructors are required to wear facial coverings or masks that cover and fit the face against the nose and mouth when entering, exiting, and throughout the class. Students who have a documented medical condition that prevents them from using a snugly fitting facial covering can use face shields as an alternative.

Handwashing: Students are required to wash their hands or use hand sanitizer prior to class. Hand sanitizer is available in the classroom for their use.

Social Distancing: Students are required to stay at least 6 feet apart while on campus. In the classroom, maintain social distance and sit in the seats as designated by the seating chart.

Classroom Cleaning: Students will wipe down their seating/work area with disinfectant before and after class.

Safety procedures are subject to update.

Classroom Computers

This class utilizes computers. To minimize the risks surrounding shared equipment. Reedley College is asking that you bring your own laptop from home. If you do not have a computer at home, contact IT at (559) 637-2555. They will loan you a laptop to utilize in all class and locations this semester. If you need to print materials accessed during class, there will be a printing location available to students. As more information becomes available, I will let you know.

Auto 9
Class Number 55086
Mr. Peters
Fall 2019

Name _____
Student I.D. _____

Briefly describe your automotive experience.

What do you expect to learn in this course?

Name (Print) _____

I have read/reviewed and understand this syllabus.(Sign) _____

Special accommodations? _____

Contact Information

e-mail address _____

Contact phone number _____