**COURSE SYLLABUS**

**AUTO 9**

Instructor: Mr. Peters

Phone: (559) 638-0372

E-mail: [nathan.peters@reedleycollege.edu](mailto:nathan.peters@reedleycollege.edu)

Office Hours: by appointment

Class meets: Tuesdays and Thursdays 4:00pm-5:15pm

Start date: January 14 End date: May 19

Course: AUTO ESSENTIALS (AUTOT-9)

Course Number: 56087

Session: Spring 2020

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 4:00pm class start time. Timecards stamped after 4:00pm will be marked as a tardy. No stamp will be counted as an absence.

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. 5th Ed. Delmar Cengage Learning 2015

Grading

1. Quizzes 100 points possible

2. Mid-Term/Final 140 points possible (70 mid-term/70 final)

3. Homework 185 points possible

4. Participation/timecards 134 points possible TOTAL GRADE\_\_\_\_ 559 points possible\_\_\_\_\_

Grade Distribution

Grade Percent

A 90% 559-503 points

B 80% 502-446 points

C 70% 445-389 points

D 60% 388-332 points

F 59.9% or less 331 or less points

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 35 class sessions over an 18 week period.

1. **Three** absence allowed for the Spring Semester.
2. **Three** tardies or leaving early add up to one absence. Please be on time.
3. **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 31, 2020**
   2. The drop date without credit deadline is the end of the 9th week of instruction **Friday March 13, 2020** (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 turn off cell phones 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.
   1. It is the student’s responsibility to contact instructor in person, (e-mail or other possible method) to request make-up work.
   2. 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
   3. 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 14 Intro., Syllabi, Shop Tour

Jan 16 Ch 1, Intro to the Automobile,

Jan 21 Ch 3-Shop Safety

Jan 23 Ch 13/14 Basic maintenance

Jan 28 Ch 7 Tools & Fasteners, Torque specifications

Jan 30 Ch 12 Engine Lubrication

Feb 4 Ch 15 Engine Introduction

Feb 6 Ch 16 Engine Classifications

Feb 11 Ch 20 Cooling System

Feb 13 Ch 6 Measuring tool, Micrometers

Feb 18 Ch 6 Measuring tool, Micrometers

Feb 20 Ch 25 Basic Electrical

Feb 25 Ch 26 Batteries

Feb 27 Ch 28 Starting

Mar 3 Ch 30 Charging

Mar 5 (Multi Meter use, Lab)

Mar 10 Ch 37 Ignition Systems

Mar 12 **Mid-Term Examination**

Mar 17 Ch 39 Fuels

Mar 19 Ch 40 Fuel Systems

Mar 24 Ch 43 Emissions

Mar 26 Ch 42 Intake and Exhaust

Mar 31 Ch 71 Manual Trans

Apr 2 Ch 73 Auto Trans

Apr 6-10 **Spring Recess (No classes)**

Apr 14 Ch 75 Driveline

Apr 16 Ch 63 Suspension

Apr 21 Ch 65 Steering

Apr 23 Ch 61 Tires/Wheels

Apr 28 Ch 67 Alignment

Apr 30 Ch 57 Brakes

May 5 Ch 57/59 Brakes - ABS/Traction/Stability

May 7 Ch 35 HVAC

May 12 Career in Automotive or Alternative fuels

May 14 Prepare for Final

Dec 10 **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 at 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.

Auto 9 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class Number 56087 Student I.D \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mr. Peters

Spring 2020

Briefly describe your automotive experience.

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What do you expect to learn in this course?

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What year, make and model vehicle do you drive? (Main family car if you don’t have a car yourself)

Name (Print) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

Special accommodations? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contact Information

e-mail address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contact phone number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_