

COURSE SYLLABUS

AUTO-10 #50054 FALL 2011 Instructor: Mr. Garza

Class meets: Mon.-Fri. 7:30am-1:20pm Classroom: IND. 11

Office Hours: Mon. Tues. & Wed. 1:30 to 2:30 Office: IND. 6

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Course Description

This course in concert with Auto11 will prepare the student with the knowledge and skills to perform diagnosis and repair of various automotive components and enter the automotive service industry at the advanced apprentice level. Subjects include: Safety, Ethics, Regulations, Engine Repair, Manual Transmissions, Clutches, Automatic Transmissions, and Electrical Systems. Tools and equipment are provided; however the student is expected to furnish a Digital Volt Ohm Meter (DVOM), personal safety items, and a uniform laundry fee.

Course Outcomes

Upon completion of this course, students will be able to:

- Diagnose, repair, and service automobiles and light trucks utilizing the logic and reasoning developed in class through hands-on experience.
- Apply safety procedures in a shop environment and follow hazardous waste handling procedures.
- Apply and demonstrate shop procedures from hands-on experience
- Perform electrical system repairs and service in accordance with accepted industry practices.

Course Objectives

In the process of completing this course, students will:

- Learn to work safely in a shop environment
- Manage hazardous waste materials
- Develop an understanding of the Automotive Industry
- Identify and use tools and shop equipment
- Identify and use automotive measuring devices
- Analyze and identify electrical systems
- Diagnose and repair electrical systems

Required text

Automotive Electrical and Electronic Systems 5th edition update by Check Chart
Classroom manual and Shop manual.

Grading

1.	Quizzes & Notebook	34%
2.	Exams	33%
3.	Shop Work	33%

TOTAL GRADE_____

Grade Distribution

Grade	Percent
A	100-90%
B	89-80%
C	79-70%
D	69-60%
F	59.9% or less

Attendance

Attendance will play a factor if you are to successfully complete this course. You will be expected to attend all class meetings, to be on time, and to be in class the **entire** class period. You will be expected to take care of any personal needs such as going to the restroom, getting a drink of water, sharpen your pencil, ect; prior to the start of class. Attendance will be taken each day.

- a. **Three** absences allowed per semester for all instructors.
- b. **Three** tardies equal **one** absence. Please be on time.
- c. **Three** early-outs equal **one** absence. Please make appointments after class.
 1. A **student must be in class for at least 3 hours for an early-out**, if not, it will be charged as an absence.
 2. The drop date without credit deadline is the ninth week of instruction **Friday, October 14th** (a letter grade is issued after this date). The student will be evaluated by quizzes, exams, shop work, notebook.
 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, iPods, BlackBerry, PDA, pagers, cameras, recorders, and laptops **during class and shop will not be allowed** (exception made at Instructor's discretion on a case-by-case basis). Please turn off all electronic devices prior to start of each class.

Classroom/Shop Department

Each student is expected to respect the rights of other students and the instructor. Students who do not behave in a respectful manner will be dropped from the class. **NO FOOD, CELLULAR PHONES OR PROFANITY AT ANY TIME!!!**

Student Rights

Students are encouraged to become familiar with the “Campus Policies” section of the Schedule of Courses. This material includes information regarding cheating and plagiarism, disruptive classroom behavior, and other instructional issues.

Assignments

1. Students will follow lecture and reading schedule for reading assignments.
2. All homework will be turned in on the assigned date. **All late assignments will be penalized a minimum of 10% for each day late. Notebooks will not be accepted late.**
3. Electronic duplication from other students or sources is prohibited if not approved by instructor.
4. Copying, cheating of any kind will not be accepted.

Quizzes and Exams

1. Make-up of quizzes.
It is your responsibility to notify me **in advance** that you will be unable to take a quiz as scheduled.
 - a. It is the student’s responsibility to contact instructor.
 - b. Quizzes cannot be made up if:
 1. Reviewed in class
 2. Excuse for absence is unacceptable
 3. Student is limited to one make-up per semester
 4. The final exam may not be made-up
 - c. Make-up quiz will be arranged by the instructor.
 - d. There will be a **10% deduction** for make up quiz.
 - e. There will be a **10% deduction** for any quiz or exam that does not have student’s assigned grade number.
2. There will be two exams:
 - a. An Electrical exam at midterm
 - b. An Auto 10 Electrical final exam during finals week

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 are a number of services available to assist Reedley College students succeed in their coursework, and I would be happy to recommend one of these to you.

Accommodations for Students with Disabilities

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

Lecture and Lab Rotations

(A) Three one hour lectures Monday, Tuesday and Wednesday as outlined in daily schedule.

(B) Four 6 day lab rotations per group.

1. Volts, Ohms, Amps
2. Batteries
3. Charging Systems
4. Starting Systems

This schedule and syllabus are subject to change at the discretion of the instructor- it is the responsibility of the student to check on announcements made during any absence.

Dates to remember:

Deadline to drop without a grade, Fri. October 14th

California Automotive Teachers Conference, Fri. October 14th

Holidays Labor Day, Mon. Sept. 5th
Veterans Day, Fri. Nov. 11th
Thanksgiving, Thur. and Fri. Nov. 24 and 25th

GLAD TO HAVE YOU THIS FALL!!!!!!!!!!!!!!

<u>Class lecture and reading schedule</u>		<u>Chapt. /Text</u>
		c=classroom book s=shop book
Week		
1	1 st class meeting/Shop Safety	1s
2	Intro. To Electricity/ Electronic Service Tools	2c/3s
3	Intro. To Elect;Electrical Fundamentals/EST	2c,3c/3s
4	Intro. To Elect; Elect. Fundamentals/EST	2c,3c/3s
5	Elect. Fundamentals,Magnetism/Gen. Elect. Diag.	3c,4c/4s
6	Series,Parallel and Series-Parallel Circuits/GED	5c/4s
7	Series, Parallel circuits/GED	5c/4s
8	Electrical Diagrams and Wiring/Circuit protection And Component Testing.	6c/5s
9	Elect. Diagrams/Circuit Protect. and Comp.Testing	6c/5s
10	Ohm's Law/Circuit Protection and Comp. Testing	3c,6c/5s
11	Electrical Diag./Wire, Connector Service and Repair	5c,6c/6
12	Battery Service/Wire, Connector Service and Repair	7c/6s
13	Battery Service/Battery Diagnosis and Testing	7c/7s
14	Charging System/Charging Diagnosis and Repair	8c/8s
15	Starting System/Starting Diagnosis and Repair	9c/9s
16	Multiplexing Networks	Handout
17	Auto. Electronics Review	
18	<u>Finals Week</u>	

