

Casper College Course Syllabus

COURSE NUMBER AND TITLE: AUBR 1560 Auto Body Repair II
SEMESTER/YEAR: Fall 2015

LECTURE HOURS: 2 LABORATORY HOURS: 4 CREDIT HOURS: 4

CLASS TIMES: LAB TTH 8:00a.m. – 11:00p.m. ROOM: WT130/121

INSTRUCTOR'S NAME: Greg Brack

INSTRUCTOR'S CONTACT INFORMATION:

Office Location: WT145

Office Phone: 268- 2665

Email: greg.brack@caspercollege.edu

OFFICE HOURS: As posted on office door

COURSE DESCRIPTION: A continuation of Auto Body I, covering the automotive electrical/electronic systems and restraint system operation and service.

PREREQUISITES: AUBR 1550 Auto Body Repair I

GOAL: To familiarize the student with automotive electrical/electronic systems and the operation and service of modern restraint system.

OUTCOMES: After completion of this course the student will:

1. Become familiar with basic electrical values: volts, OHMS, Amps;
2. Understand the difference between series and parallel circuits;
3. Repair wiring damaged in a collision;
4. To use a multimeter in basic electrical testing;
5. Be able to compare active and passive restraint systems;
6. Be able to inspect and replace seat belts and retractors;
7. Be able to summarize the operation of an air bag system;
8. Troubleshoot air bag problems;
9. Work safely with air bags and related components
10. Demonstrate effective oral and written communication.
11. Solve problems using critical thinking and creativity.
12. Use appropriate technology and information to conduct research.

METHODOLOGY: Theory and operation is presented in lecture, handouts, other media and hands-on laboratory activities. The student is required to study the corresponding material appropriate for the lecture and laboratory work.

EVALUATION CRITERIA: The student will be evaluated on tests, workorders, and job completion on lab projects

GRADING SCALE:

100 – 90 = A

89 – 80 = B

79 – 70 = C

69 – 60 = D

Attendance Policy: Attendance is of utmost importance. Unexcused absences in the excess of 4 will result in the loss of one letter grade. Due to the consideration of the instructor and students, you must be present at the designated starting class time or you will not be allowed to participate unless prior arrangements with the instructor have been made.

Tool Use: Misuse of shop tools will result in the loss of tool privileges.

Assignments: All assignments will be completed in class except for reading assignments, make-up work and written reports.

Make-up work: It is the responsibility of the student to find out what work he/she missed, when absent from class.

REQUIRED TEXT, READINGS, MATERIAL: Auto Body Repair Technology, James E. Duffy, 6th Edition

CLASS POLICIES:

Last Date to Change to Audit Status: See current Casper College catalog.

Last Date to Withdraw with a W Grade: See current Casper College catalog.

No cell phones or other electronic devices are allowed in the classroom or laboratories.

SAFETY: Personal and equipment safety standards will be strictly enforced. *It is the individual's responsibility to develop and use a safe work attitude.*

Students in this course will be using chemicals which require precautions and should consult with the instructor for safe usage.

Only officially registered students are allowed to participate in classroom or laboratory activities.

STUDENT'S RIGHTS AND RESPONSIBILITIES: Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command: If you have any problems with this class, you should first contact the instructor in order to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take your problem through the appropriate chain of command starting with the department head/Program Director, the Academic Dean, and lastly the vice president for academic affairs.

Academic Dishonesty – Cheating and Plagiarism: Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct.

Official Means of Communication: Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly.

ADA Accommodations Policy: If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college's Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu. The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

CALENDAR OR SCHEDULE INDICATING COURSE CONTENT:

- Estimating Repair Costs Chap 10
 - Part prices, labor costs, refinishing time, computer estimating, estimating sequence, vehicle total loss
- TEST Chap 10 (9/15/15)
- Restoring Corrosion Protection Chap 20
 - Causes, materials, surface prep, treatment, primers, joints, Acid rain damage
- TEST Chap 20 (10/6/15)
- Chassis Service & Wheel Alignment Chap 21
 - Powertrain, suspension, alignment, brakes, cooling, heaters, AC, exhaust, emissions hoses & fuel systems
- TEST chap 21 (12/1/15)