

**MAYLAND COMMUNITY COLLEGE  
Welcomes You To:**

**AUB 131.10  
Structural Damage I  
Credit Hours: 4    Contact Hours: 6**

**FALL 2007**

**Course Description**

This course introduces safety, equipment, structural damage analysis and damage repairs. Topics include shop safety, design and construction, structural analysis and measurement, equipment, structural glass, repair techniques and other related topics. Upon completion, students should be able to analyze and perform repairs to a vehicle, which has received light/moderate structural damage.

**Prerequisites:** None

**Corequisites:** None

**Instructor Information**

**Instructor:** James M. Buchanan  
**Office Location:** Auto Body Shop  
**Telephone Number:** (828) 765-7351 ext. 286  
**E-mail Address:** [jbuchanan@mayland.cc.nc.us](mailto:jbuchanan@mayland.cc.nc.us)  
**Office Hours:** M-F: 7:30-8:00am  
M: 11:30am-12:00pm

**Course Information**

**Course Content:**

1. Using live projects for hands-on
2. Work with students to determine strengths and weaknesses
3. Teach students safety and proper methods
4. Increase student knowledge of structural repairs by classroom sessions using various manuals

**Class Details:**

1. Meeting times: In accordance with schedule  
Wednesday: 8:00-11:20am, 12:00-2:20pm
2. Class location: Auto Body Shop

**Required Text(s):**

1. *Motor Auto Body Repair* (Delmar Publishing, Inc.)
2. *I-Car Professional Collision Repair* (Delmar)

**References:**

1. I-Car Manuals
2. Auto Body Repair News
3. Various Magazines in Auto Body trade
4. Various Frame Manuals

**LRC Resources:** None

**Required supplies:** None

**Course Objectives/Competencies:**

1. To make students aware of design and construction of today's vehicle.
2. To stress the need for a quality repair in today's structural vehicle.
3. To update students on more technical repairs.
4. To expose students to measuring/pulling systems and how they work.

**Attendance Policy/Tardiness/Make-Up Work:**

1. Students are expected to be present and on time for all scheduled classes. 25% of your grade will be from attendance records.
2. Excessive tardiness and days absent will affect the 25% attendance grade.
3. Make-up work will be done on individual basis with instructor.

**Grading Criteria/Tests/Projects:**

Grades are earned from these areas:

- |  |     |
|--|-----|
| 1. Live projects and shop participation: | 50% |
| 2. Attendance:                           | 25% |
| 3. Classroom work:                       | 25% |

**Grading Scale:**

**A = 100-92**  
**B = 91-84**  
**C = 83-76**  
**D = 75-70**  
**F = Below 70**

**Inclement Weather Procedures:**

In case of inclement weather, students are reminded to use good judgment when making travel decisions. The student's responsibility will be to call the instructor if not able to make it to class.

**Academic Standards/Student Expectations/Ethics:**

1. Regular class attendance
2. Participation in shop projects
3. Participation in classroom work
4. Work safely in shop area
5. Passing test from text and shop projects

**Withdrawal Dates:****Fall 2007**

End of Unconditional Withdrawal	Tuesday, September 25, 2007
End of Conditional Withdrawal	Thursday, November 01, 2007

**Any student requesting special accommodations for this course due to a disability should apply for services through the SOAR Office or the Counseling Center, which will document the disability. A counselor will then help determine which accommodations, if any, the student needs for success in this course.**

**Course Outline/Weekly Topics**