

**MAYLAND COMMUNITY COLLEGE
Welcomes You To:**

**AUB 131.30,40,50
Structural Damage I
Credit Hours: 4 Contact Hours: 6**

SPRING 2006

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
Office Hours:	M-F, 7:30-8:00am

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
TWTH: 12:00-1:50pm
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:

- | | |
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| 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:**Spring 2006**

End of Unconditional Withdrawal	Monday, February 13, 2006
End of Conditional Withdrawal	Monday, March 27, 2006

The following Administrative Withdrawal statement: If a student has not been in contact with the instructor and has not attended class for a consecutive two-week period, an administrative withdrawal will be submitted by the instructor.

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