

AUBO-265-STRUCTURAL PANEL REPLACEMENT 4 CREDITS

SYLLABUS

CATALOG DESCRIPTION

This course is a continuation of AUBO 260 with emphasis in structural panel replacement. The students will be exposed to frame and unibody measuring equipment and their proper use in sectioning procedures. Through theory and practical application the student will learn how to ID structural components, properly separate spot welds, position and weld new body panels in place

Prerequisites: AUBO 260

Semester Offered: Fall, Spring

Common Student Learning Outcomes

Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...

BROAD AND SPECIALIZED LEARNING

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

CRITICAL THINKING

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

CULTURAL AND CIVIC ENGAGEMENT

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

EFFECTIVE COMMUNICATION

Students will exchange ideas and information with clarity in multiple contexts.

INFORMATION LITERACY

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

INTEGRATING TECHNOLOGIES

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

Course Learning Outcomes

Upon successful completion of the course, the student will be able to...

1. To equip the student with the necessary information required to safely and correctly use all essential equipment when diagnosing structural damage.

2. To provide the students with the hands on experience necessary to perform structural panel removal and installation.

Specific Learning Outcomes

1. List the parts of the vehicle that are considered structural.
2. Demonstrate the steps necessary for replacing a part along a factory seams.
3. Understand the sectioning procedure for rails, rocker panels, A-and B- pillars, floor pans and trunk floors.
4. Select and apply the correct anticorrosion materials.
5. Demonstrate proper M.I.G. welding procedures when replacing a structural component.
6. Describe restraint systems and their functions.