



AUBO-260-FRAME AND STRUCTURAL REPAIR 4 CREDITS

SYLLABUS

CATALOG DESCRIPTION

This course will involve the students in all areas of frame and structural damage repairs. Through theory and practical application the student will learn how to diagnose and repair various types of damage including: mash, twist, sag, and side sway. This course will expose the students to safe work habits while using measuring and straightening equipment.

Prerequisites: AUBO 145

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 students with the knowledge needed to perform basic straitening and aligning procedures.
2. To expose the students to all types and variations of body measuring tools.

Specific Learning Outcomes

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

1. List the types of straightening equipment and explain their operation.
2. Explain how impact forces are transmitted through both frame and unibody constructed vehicles.
3. Explain the importance of the datum plans and centerline concepts as related to unibody repair.
4. When given a damaged vehicle and body specification manual, locate and measure key points using an electronic laser, tram bar, and universal measuring system.
5. Demonstrate proper unibody/frame measuring and straightening procedures using a variety of measuring and straightening tools efficiently and safely.