Department:

Auto Collision Repair

Course Description:

This course is the second in a four-course sequence covering all aspects of non-structural analysis and damage repair for automobiles. The course will cover trim and hardware protection, glass, outer body, metal work, welding, safety, cutting, plastics, and adhesives.

Course Competencies:

Upon completion of the course, the student should be able to:

1. Identify trim and hardware to be protected
2. Explain what to consider when working with moveable glass
3. Perform outer body panel repairs
4. Perform outer body replacements and adjustments
5. Perform metal straightening techniques
6. Perform body filling techniques
7. Perform metal finishing techniques
8. Use welding procedures in non-structural damage repair
9. Distinguish between mechanical and electrical components
10. Apply safety standards for the collision repair industry
11. Use cutting procedures in non-structural damage repair
12. Determine procedures necessary for working with plastics and adhesives

Course Content:

A. Trim and Hardware
B. Movable glass
C. Outer Body Panel Repair
D. Outer Body Replacement and Adjustments
E. Metal Straightening Techniques
F. Body Filling Techniques
G. Metal Finishing Techniques
H. Welding Repair of Non-Structural Damage
I. Mechanical and Electrical Components
J. Collision Repair Industry
K. Cutting on Non-Structural Damage
L. Plastics and Adhesives Procedures

Learning Assessments:

Assessments may include quizzes, tests, project work, demonstrations, instructor observation, weekly assignments, and written papers.
ACR 165 - Non-Structural Analysis and Damage Repair
Prerequisite: ACR 115
4 Credit Hours (Lecture)

Instructional Materials:


Guidelines for Requesting Accommodations Based on Documented Disability or Medical Condition

It is the intention of Highland Community College to work toward full compliance with the Americans with Disabilities Act, to make instructional programs accessible to all people, and to provide reasonable accommodations according to the law.

Students should understand that it is their responsibility to self-identify their need(s) for accommodation and that they must provide current, comprehensive diagnosis of a specific disability or medical condition from a qualified professional in order to receive services. Documentation must include specific recommendations for accommodation(s). Documentation should be provided in a timely manner prior to or early in the semester so that the requested accommodation can be considered and, if warranted, arranged.

On-Campus Students: At enrollment, any on campus student may complete a form that will allow them to self-identify any disability.

Off-Campus Regional Students: Self-identify your disability and accommodation needs with the Regional Coordinator and/or instructor, preferably prior to the first class meeting.

Online Students: Self-identify your disability and accommodation needs by contacting the Disabilities Coordinator. Students must provide their own programs to allow accessibility on their home computer.

Any student may also identify their disability by completing an online form located on the HCC homepage under Students Services/Resources/Disabilities. Questions should be directed to the Disabilities Coordinator.

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