Department:

Auto Collision Repair

Course Description:

This course is the first in a four-course sequence covering all aspects of painting and refinishing auto body surfaces. The course will cover safety and health issues, surface preparation, metal treatments, equipment, and paint specifics.

Course Competencies:

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

1. Identify safety and personal health hazards according to OSHA guidelines and the Right to Know law.
2. Determine the different types of substrates and sanding materials relevant to auto body surface preparation.
3. Explain the process to clean and prepare a substrate for paint.
4. Distinguish between the properties, uses, and manufacturer specifications of metal treatments and primers.
5. Distinguish among the various types of spray guns and equipment.
6. Identify various paint codes and specifications for use.
7. Identify the various paint systems.
8. Identify and explain the types of paint defects.
9. Distinguish between damage and non-damage related corrosion.
10. Identify final detail procedures.

Course Content:

A. Right to Know Law and OSHA Health Qualifications
B. Substrates and Sanding materials
C. Substrate Preparation
D. Metal Treatments and Primers
E. Spray Guns and Equipment
F. Paint Codes and Specifications
G. Paint Systems
H. Types of Paint Defects
I. Damage and Non-damage Corrosion
J. Detailing Procedures

Learning Assessments:

Assessments may include quizzes, tests, project work, demonstrations, instructor observation, weekly assignments, and written papers.
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.