Department:

Auto Collision Repair

Course Description:

This course is the final one in a four-course sequence covering all aspects of painting and refinishing auto body surfaces. This course will focus on advanced aspects, techniques, and procedures for a variety of auto body painting and refinishing applications.

Course Competencies:

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

1. Apply exemplary safety procedures in all areas of auto body painting and refinishing
2. Perform proper cleaning procedures for a refinish
3. Prepare adjacent panels for blending
4. Prepare plastic panels for refinishing
5. Protect all non-finished areas of vehicle
6. Operate high and low volume and pressure spray guns for painting and refinishing
7. Perform all paint system applications on an automobile
8. Apply appropriate paint color matching and mixing procedures
9. Tint color using formula to achieve a bendable match
10. Identify the causes and effects and make corrections for buffing-related imperfections
11. Identify the causes and effects and make corrections for pigment flotation
12. Measure mil thickness
13. Apply decals, transfers, tapes, wood grains, and pinstripes to an automobile
14. Apply buffing and polishing techniques to remove defects
15. Apply cleaning techniques to automobile interior, exterior, glass, and body openings
16. Remove overspray

Course Content:

A. Safety Procedures  
B. Cleaning for a Refinish  
C. Blending Panels  
D. Refinishing Panels  
E. Non-finished Vehicle Areas  
F. Spray Gun Operations  
G. Paint System Applications  
H. Matching and Mixing Paint Color  
I. Color Tinting to Match  
J. Buffing Imperfections  
K. Pigment Flotation  
L. Mil Thickness
ACR 255 - Painting and Refinishing IV
Prerequisite: ACR 205
4 Credit Hours (Lecture)

M. Decals, Transfers, Tapes, Wood Grains, and Pinstripes
N. Defects
O. Cleaning Techniques
P. Overspray

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.