Department:

Auto Collision Repair

Course Description:

This course will focus specifically on auto mechanical and electrical systems and will cover inspection, diagnosis, service, and repair of system problems or damage.

Course Competencies:

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

1. Diagnose steering and suspension issues
2. Diagnose electrical concerns
3. Complete headlamp and fog or driving lamp assemblies and repairs
4. Demonstrate self-grounding procedures for handling electronic components
5. Determine diagnosis, inspection, and service needs for brake system hydraulic components
6. Examine components of heating and air conditioning systems.
7. Determine the inspection, service, and repair needs for collision damaged cooling system components
8. Distinguish between the under car components and systems
9. Determine the diagnosis, inspection, and service requirements of active and passive restraint systems

Course Content:

A. Steering and Suspension
B. Electrical Concerns
C. Headlamp and Fog or Driving Lamp Assembly and Repair
D. Self-Grounding for Electronic Components
E. Brake System Hydraulic Components
F. Heating and Air Conditioning System Components
G. Inspection and Service Collision Damage to Cooling System Components
H. Under Car Components and Systems
I. Active and Passive Restraint Systems

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.