

Department:

Automotive Collision & Refinishing Technology

Course Description:

Damage analysis and estimating covers the process of analyzing the vehicle following a collision event looking at preexisting conditions as well as collision related damage. The process of gathering customer information, vehicle information, insurance coverage information, vehicle damage, parts options, parts pricing, labor operation pricing, and other related charges and arriving at cost of repairs is the core of the course.

Course Competencies:

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

1. Identify safety procedures and precautions required for vehicle inspection
2. Identify and record vehicle identification number (VIN) information, including nation of origin, make, model, restraint system, body type, production date, and engine type.
3. Identify and record vehicle mileage and options, including trim level, paint code, transmission, accessories, and modifications.
4. Create manual damage report
5. Apply appropriate estimating and parts nomenclature (terminology).
6. Determine and apply appropriate estimating sequence.
7. Select appropriate labor value for each operation (structural, non-structural, mechanical, and refinish).
8. Select and price OEM parts, aftermarket parts, and recyclable/used parts.
9. Apply math skills to establish charges for parts, material, labor, sales tax and calculate total repair costs.

Course Content:

- A. The Estimate
- B. Part Prices
- C. Labor Costs
- D. Refinishing Time
- E. Estimate Total

Learning Assessments:

Competencies will be assessed by assignments, case problems, quizzes, chapter tests, hands-on projects, lab assignments, and instructor observation. The test can be in the objective format or in a problem-solving format.

Instructional Materials:

Textbook: Duffy, J.E. (2015). *Auto Body Repair Technology*. (6th ed.). Boston, MA: Cengage Learning. ISBN: 9781133702856.

Textbook: Duffy, J.E. (2015). *Tech Manual for Duffy's Auto Body Repair Technology*. (6th ed.). Boston, MA: Cengage Learning. SBN: 9781133702863.

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.

In order to begin the process all students **must** complete the "Disabilities Self-Identification Form" on our [Disability Services website](#).

This form can also be accessed at the Highland Community College homepage under Students Services/Student Resources/Disability Service or by contacting the Disabilities Coordinator.

A Note on Harassment, Discrimination and Sexual Misconduct

Highland Community College seeks to assure all community members learn and work in a welcoming and inclusive environment. Title VII, Title IX, and College policy prohibit harassment, discrimination and sexual misconduct. Highland Community College encourages anyone experiencing harassment, discrimination or sexual misconduct to talk to report to the Vice President for Student Services, the Human Resources Director or complete an [online report](#) about what happened so that they can get the support they need and Highland Community College can respond appropriately.

There are both confidential and non-confidential resources and reporting options available to you. Highland Community College is legally obligated to respond to reports of sexual misconduct, and therefore we cannot guarantee the confidentiality of a report, unless made to a confidential resource. Responses may vary from support services to formal investigations. As a faculty member, I am required to report incidents of sexual misconduct and thus cannot guarantee confidentiality. I must provide our Title IX coordinator with relevant details such as the names of those involved in the incident. For more information about policies and resources or reporting options, please review our [Equity Grievance Policy](#).