

COURSE OUTLINE

Auto Estimating

Course Description

AB 243. Auto Estimating. 3 hours credit. Prerequisite: AB 137 with C or better. This course will enable the student to prepare manually-written and computer-generated auto repair estimates. The student will perform a visual inspection and estimate repair time, labor, parts, and materials needed by analyzing and evaluating damage.

Required Materials

I-CAR – CD DAM 01

Butler-assessed Outcomes

The intention is for the student to be able to

1. Describe the basic functions of an auto estimate.
2. Prepare manually-written and computer-generated auto estimates.
3. Identify and record vehicle information.
4. Perform a visual inspection of a vehicle involved in an accident.

Learning PACT Skills that will be developed and documented in this course

Through involvement in this course, the student will develop ability in the following PACT skill area(s):

Technology Skills

- Discipline-specific technology - Through in-class exercises, the student will be able to demonstrate an understanding of how to properly use repair equipment in a safe manner.

Major Summative Assessment Task(s)

These Butler-assessed Learning Outcome(s) and the Learning PACT skill(s) will be demonstrated by

1. Completing a hands-on repair project which incorporates the learning outcomes of the course.

Skills or Competencies

These actions that are essential to achieve the course outcomes:

1. Preparation
2. Surface preparation
3. Paint mixing, matching, and applying
4. Paint defects-causes and cures

Learning Units

- I. Damage report overview
 - A. Functions of an auto repair estimate
 - B. Types of auto repair estimates
 - C. Estimating systems
- II. Damage analysis
 - A. Customer and vehicle information
 - B. Insurance company information
- III. Vehicle damage assessment
 - A. Customer consultation
 - B. Vehicle inspection
 - C. Structural damage
 - D. Overhaul
 - E. Included and not-included operations
 - F. R&R and R&I
 - G. Pre-existing damage
 - H. Overlap deductions
 - I. Judgment time
- IV. Refinish operations
 - A. Types of refinish operations
 - B. Types of finishes
 - C. Paint and material
- V. Finalization of the auto repair estimate
 - A. Other charges
 - B. Supplements
 - C. Restraints
 - D. Customer service

Learning Activities

Learning activities will include lectures, demonstrations, and projects.

Grade Determination

The student will be graded on learning activities and assessment tasks. Grade determinants may include the following: exams, class participation, and projects.