

Washtenaw Community College Comprehensive Report

ABR 121 Automotive Estimating

Effective Term: Fall 2024

Course Cover

College: Advanced Technologies and Public Service Careers

Division: Advanced Technologies and Public Service Careers

Department: Transportation Technologies

Discipline: Auto Body Repair (new)

Course Number: 121

Org Number: 14100

Full Course Title: Automotive Estimating

Transcript Title: Automotive Estimating

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Time Schedule , Web Page

Reason for Submission: Course Change

Change Information:

Consultation with all departments affected by this course is required.

Course title

Course description

Credit hours

Total Contact Hours

Pre-requisite, co-requisite, or enrollment restrictions

Outcomes/Assessment

Objectives/Evaluation

Rationale: Change from 4 hours to 2 hours.

Proposed Start Semester: Fall 2024

Course Description: In this course, students develop skills in repair estimation associated with collision damaged vehicles. Skills acquired will include handwritten estimation along with the use of software specifically developed for the auto body repair industry. Damage assessment, parts compilation, calculation of repair costs, and refinishing information are some of the topics that will be covered. The title of this course was previously Estimating and Shop Operations and this course contains material previously taught in ABR 113.

Course Credit Hours

Variable hours: No

Credits: 2

Lecture Hours: Instructor: 30 **Student:** 30

The following Lab fields are not divisible by 15: Student Min, Instructor Min

Lab: Instructor: 22.5 **Student:** 22.5

Clinical: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: 52.5 **Student:** 52.5

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

No Level Required

Requisites

Prerequisite

ABR 123 minimum grade "C"

or

Prerequisite

ABR 124 minimum grade "c"

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Determine repairs and/or replacement parts needed based on descriptions of vehicle damage.

Assessment 1

Assessment Tool: Outcome-related multiple-choice exam questions

Assessment Date: Fall 2024

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Answer key

Standard of success to be used for this assessment: 75% of the students will score 75% or higher.

Who will score and analyze the data: Departmental faculty

2. Produce an accurate and comprehensive damage/appraisal report.

Assessment 1

Assessment Tool: Damage/appraisal report

Assessment Date: Fall 2024

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Departmentally-developed rubric

Standard of success to be used for this assessment: 75% of the students will score 75% or higher.

Who will score and analyze the data: Departmental faculty

Course Objectives

1. Demonstrate the ability to apply the fundamental principles of repair estimation.
2. Inspect and record determined repairs or replacement.
3. Locate and identify parts, labor and refinishing information
4. Research part availability and repair procedures.
5. Compare original report costs and damage/appraisal reports and evaluate for costs savings.
6. Demonstrate ability to calculate damage repair report costs.

New Resources for Course

Course Textbooks/Resources

Textbooks

Manuals
Periodicals
Software

Equipment/Facilities

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Gary Sobbry</i>	<i>Faculty Preparer</i>	<i>Sep 01, 2023</i>
Department Chair/Area Director: <i>Rocky Roberts</i>	<i>Recommend Approval</i>	<i>Sep 07, 2023</i>
Dean: <i>Jimmie Baber</i>	<i>Recommend Approval</i>	<i>Oct 19, 2023</i>
Curriculum Committee Chair: <i>Randy Van Wagnen</i>	<i>Recommend Approval</i>	<i>Feb 09, 2024</i>
Assessment Committee Chair: <i>Jessica Hale</i>	<i>Recommend Approval</i>	<i>Feb 10, 2024</i>
Vice President for Instruction: <i>Brandon Tucker</i>	<i>Approve</i>	<i>Feb 13, 2024</i>

Washtenaw Community College Comprehensive Report

ABR 113 Estimating and Shop Operations Effective Term: Winter 2014

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: Automotive Body

Discipline: Auto Body Repair

Course Number: 113

Org Number: 14110

Full Course Title: Estimating and Shop Operations

Transcript Title: Estimating and Shop Operations

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Time Schedule , Web Page

Reason for Submission: Course Change

Change Information:

Consultation with all departments affected by this course is required.

Pre-requisite, co-requisite, or enrollment restrictions

Outcomes/Assessment

Rationale: Add ABR 112 as a prerequisite

Proposed Start Semester: Winter 2014

Course Description: In this course, students develop skills in repair estimation associated with collision damaged vehicles. Skills acquired will include hand written estimation along with the use of software specifically developed for the auto body repair industry. Damage assessment, parts compilation, calculation of repair cost, and refinishing information are some of the subjects to be covered. Additionally, students will examine the nature of the body shop management team and the factors that contribute to the success and profitability of an effective, efficient operation. The title of this course was previously Applied Body Welding and Estimation.

Course Credit Hours

Variable hours: No

Credits: 4

Lecture Hours: Instructor: 60 Student: 60

Lab: Instructor: 45 Student: 45

Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 105 Student: 105

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Level 2

Requisites

Prerequisite

ABR 111
and
Prerequisite
ABR 112

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Analyze vehicle damage and determine needed repairs or replacement.

Assessment 1

Assessment Tool: Chapter test including multiple choice and true/false questions.

Assessment Date: Spring/Summer 2014

Assessment Cycle: Every Three Years

Course section(s)/other population: all

Number students to be assessed: all

How the assessment will be scored: Answer Key

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: Departmental Faculty

2. Demonstrate principles of damage report writing to produce an accurate and comprehensive damage/appraisal report.

Assessment 1

Assessment Tool: Damage/appraisal report

Assessment Date: Spring/Summer 2014

Assessment Cycle: Every Three Years

Course section(s)/other population: all

Number students to be assessed: all

How the assessment will be scored: Departmentally-developed rubric

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: Departmental faculty

3. Identify factors of management principles, human relations, employee motivation and leadership common to an auto body shop.

Assessment 1

Assessment Tool: Multiple choice and true/false test questions.

Assessment Date: Spring/Summer 2014

Assessment Cycle: Every Three Years

Course section(s)/other population: all

Number students to be assessed: all

How the assessment will be scored: Answer Key

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: Departmental faculty

Course Objectives

1. Explore planned classroom activities and demonstrate the ability to apply fundamental principles of estimating.

Matched Outcomes

1. Analyze vehicle damage and determine needed repairs or replacement.

2. Inspect and record determined repairs or replacement.

Matched Outcomes

1. Analyze vehicle damage and determine needed repairs or replacement.

3. Locate and identify parts, labor and refinishing information
Matched Outcomes
 1. Analyze vehicle damage and determine needed repairs or replacement.
4. Research availability of other parts and repair procedures.
Matched Outcomes
 2. Demonstrate principles of damage report writing to produce an accurate and comprehensive damage/appraisal report.
5. Evaluate cost savings of damage/appraisal report against original report cost.
Matched Outcomes
 2. Demonstrate principles of damage report writing to produce an accurate and comprehensive damage/appraisal report.
6. Demonstrate ability to calculate damage repair report cost.
Matched Outcomes
 2. Demonstrate principles of damage report writing to produce an accurate and comprehensive damage/appraisal report.
7. Write accurate and comprehensive damage/appraisal report.
Matched Outcomes
 2. Demonstrate principles of damage report writing to produce an accurate and comprehensive damage/appraisal report.
8. Explore the make-up of a good and effective management team.
Matched Outcomes
9. Identify contributing factors to business profitability
Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks
 Manuals
 Periodicals
 Software

Equipment/Facilities

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Scott Malnar</i>	<i>Faculty Preparer</i>	<i>Sep 09, 2013</i>
Department Chair/Area Director: <i>Scott Malnar</i>	<i>Recommend Approval</i>	<i>Sep 09, 2013</i>
Dean: <i>Marilyn Donham</i>	<i>Recommend Approval</i>	<i>Sep 09, 2013</i>
Vice President for Instruction: <i>Bill Abernethy</i>	<i>Approve</i>	<i>Oct 01, 2013</i>