Washtenaw Community College Comprehensive Report

CRT 222 Refinish Technician II
Effective Term: Winter 2014

Course Cover

Division: Advanced Technologies and Public Service Careers
Department: Automotive Body
Discipline: Collision Repair Technician
Course Number: 222
Org Number: 14110
Full Course Title: Refinish Technician II
Transcript Title: Refinish Technician II
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:
Course discipline code & number
Course description
Pre-requisite, co-requisite, or enrollment restrictions
Outcomes/Assessment
Objectives/Evaluation
Rationale: Because of the length of the advanced certificate programs, student success and completion rates have been below expectations. With students unable to complete all courses because of limited offerings we are revising the program. We are combining material from CRT 220 and CRT 260 into one course and reducing the number of credit hours in the program.
Proposed Start Semester: Winter 2014
Course Description: In this course, students will apply advanced collision refinishing training in "real world" situations. They will perform light to medium level refinishing operations on college-owned vehicles. Solid and metallic base-coat/clear-coat and single stage paint systems will be areas of focus. Panel refinishing, blends, and "cut-ins" will be some of the topics covered. Also covered are crucial final detail and inspection information that the modern refinish technician must know in order to effectively release a vehicle back to its owner. Additional topics such as interior and exterior care, buffing, glazing, waxing, overspray removal, leak detection, engine bay reconditioning and preparing vehicles for resale, will be covered. This course contains material previously taught in CRT 220 and CRT 260.

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 Requisites

Prerequisite

CRT 202 minimum grade "B"; may enroll concurrently

General Education Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Determine the correct pinstripe/transfer tape and install correctly for automotive detailing.
   Assessment 1
   Assessment Tool: Final Exam
   Assessment Date: Winter 2017
   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 on the exam.
   Who will score and analyze the data: departmental faculty
   Assessment 2
   Assessment Tool: Student Achievement Record
   Assessment Date: Winter 2017
   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 on the student achievement record.
   Who will score and analyze the data: departmental faculty

2. Remove overspray from multiple surfaces without damaging the vehicle.
   Assessment 1
   Assessment Tool: Final Exam
   Assessment Date: Winter 2017
   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 on the exam.
   Who will score and analyze the data: departmental faculty
   Assessment 2
   Assessment Tool: Student Achievement Record
   Assessment Date: Winter 2017
   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 on the student achievement record.
   Who will score and analyze the data: departmental faculty

3. Correct paint defects from natural causes without damaging the vehicle.
   Assessment 1
   Assessment Tool: Final Exam
   Assessment Date: Winter 2017
   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 on the exam.
   Who will score and analyze the data: departmental faculty
   Assessment 2
   Assessment Tool: Student Achievement Record
   Assessment Date: Winter 2017
   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 on the student achievement record.
   Who will score and analyze the data: departmental faculty

4. Determine the current industry standard for refinishing, and execute procedures on a selected project vehicle.
   Assessment 1
   Assessment Tool: Final Exam
   Assessment Date: Winter 2017
   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 on the exam.
   Who will score and analyze the data: departmental faculty
   Assessment 2
   Assessment Tool: Student Achievement Record
   Assessment Date: Winter 2017
   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 on the student achievement record.
   Who will score and analyze the data: departmental faculty

5. Determine the most economical process to refinish and deliver a quality vehicle to the customer.
   Assessment 1
   Assessment Tool: Final Exam
   Assessment Date: Winter 2017
   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 on the exam.

Who will score and analyze the data: departmental faculty

Assessment 2

Assessment Tool: Student Achievement Record
Assessment Date: Winter 2017
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 on the student achievement record.
Who will score and analyze the data: departmental faculty

Course Objectives

1. Determine refinish details to be repaired.
   Matched Outcomes
2. Identify need for interior and exterior care.
   Matched Outcomes
3. Perform painting, buffing, glazing, and waxing.
   Matched Outcomes
4. Perform leak detection, engine bay reconditioning, and prepare vehicles for resale.
   Matched Outcomes
5. Identify different types of pinstripe/transfer tapes.
   Matched Outcomes
6. Determine appropriate type of tape for various metal and plastic installations.
   Matched Outcomes
7. Apply and remove tapes correctly for various installations.
   Matched Outcomes
8. Determine how to match Original Equipment Manufacturer (OEM)and custom applications.
   Matched Outcomes
9. Identify and perform overspray removal in accordance with industry standards.
   Matched Outcomes
10. Determine what techniques should be used in the removal of overspray depending on the substrate.
    Matched Outcomes
11. Identify and correct finish damage caused by bird droppings, tree sap, and other natural causes in accordance with industry standards.
    Matched Outcomes
12. Identify and perform refinish procedures to selected project vehicles in accordance with industry standards.
    Matched Outcomes
13. Perform zone refinishing techniques on a vehicle.
    Matched Outcomes
14. Perform multiple refinish blends to repaired area on the vehicle to achieve desired results.
    Matched Outcomes
15. Repair and refinish partial or entire vehicle for a single color procedure.
    Matched Outcomes
16. Prepare and refinish partial or entire vehicle with solid or metallic base coat/clear coat when appropriate.
    Matched Outcomes
17. Prepare and refinish panels, use blends and "cut-ins" when appropriate.
    Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals

Software

Equipment/Facilities

Level III classroom

Reviewer	Action	Date
Faculty Preparer:		
Scott Malnar	*Faculty Preparer*	*Sep 09, 2013*
Department Chair/Area Director:		
Scott Malnar	*Recommend Approval*	*Sep 10, 2013*
Dean:		
Marilyn Donham	*Recommend Approval*	*Sep 24, 2013*
Vice President for Instruction:		
Bill Abernethy	*Approve*	*Oct 11, 2013*