SOUTHEAST COMMUNITY COLLEGE
TRANSPORTATION OCCUPATIONS
AUTO COLLISION REPAIR TECHNOLOGY
COURSE SYLLABUS
January 11, 20243

I. CATALOG DESCRIPTION

Course Number: AUTB2352
Course Title: Collision Repair & Refinish Lab III
Prerequisite(s): AUTB 1254, AUTB 1256

Catalog Description: Advanced practical experience in spot painting with the concentration on correct color matching and problem solving.

Credit Hour: 3.0
Classroom Hours: 15
Lab Hours: 90
Total Contact Hours: 105

II. COURSE OBJECTIVES: *Course will:*

A. Cover inspecting or examining the surface condition and forming a plan of repair. Cover repairing and preparing the surface needed to perform a spot repair. Cover properly repairing plastics for paint refinish materials.

B. Cover masking all areas to prevent paint over spray in a manner that will allow to check for color correctness. Cover finding the paint codes location and identify the color needed using the color variance decks. Cover looking up the paint code on the computer to get the color formula and amount needed.

C. Cover making the paint from the tints, using the formula for the proper amounts. Cover spray test cards and analyze for color correctness to the repair vehicle. Cover varying color appearance using spray variables.

D. Cover making a color and clear blend.

E. Cover tinting the color to match the existing.

F. Cover spraying the clear coat to match the existing texture.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES

A. STUDENT LEARNING OUTCOMES: *The student will be able to:*

1. Perform many types of paint defect repairs. They must meet industry standards in quality.
2. Approach industry standards in speed of the repair.
3. Work with hazardous material and must use them.
4. Know correct color matching techniques.
5. Tint the color to match the existing.
6. Spray the clear coat to match the existing texture.
7. Analyze color correctness.

B. GENERAL EDUCATION LEARNING OUTCOMES:

GELO #3: Critical Thinking & Problem Solving

Outcomes:

1. Collect, identify, interpret and analyze data.

2. Synthesize information to arrive at reasoned solutions to problems. Evaluate ideas presented in writing, medial, speech, or artistic presentations.
3. Evaluate the validity of arguments, alternatives, data, outcomes, and/or impacts of actions.
4. Acquire and integrate knowledge and construct relationships across disciplines.

IV. CONTENT/TOPICAL OUTLINE

A. Grading procedure
B. Safety
C. Paint technology
D. Disassemble damaged or obstructing parts
E. Applications
F. Application troubleshooting
G. Refinish paint defect removal

V. INSTRUCTIONAL MATERIALS

Required Text(s): Auto Body Repair Technology 6th Edition Text. Copyright 2015 ISBN-13: 978-133702856, ISBN-10: 1133702856

Other Resources: School supplied power tools
Required paint gun
Various sanding scuffing materials
Various cleaning materials
PPG and DuPont computers and paint mixing machines Mitchell Estimating (manuals and computer)
Material product bulletins
Assigned repair vehicles
M.S.D.S. sheets
Color variance decks

VI. METHODS OF PRESENTATION

A. Methods of presentation typically include a combination of the following:

1. Lecture
2. Small and large group discussion
3. Video presentation
4. Transparencies
5. Demonstrations
6. Project boards
7. Flip charts
8. Handouts
9. Observations
10. Assigned lab projects
11. Field trips

VII. METHODS OF EVALUATION

A. Methods of evaluation typically include a combination of the following:

1. Notebook (if required)
2. Quizzes
3. Tests
4. Lab grades
5. Attendance/class conduct

Letter grades will be based on the SCC Standard Grade Scale Policy. **Note:** See course information document for specific details on how the course grades will be calculated.

VIII. SPECIFIC COURSE REQUIREMENTS

A. STUDENT MUST:

1. Complete all tests, projects, assignments, and notebook (if required).
2. Earn a final grade of 60% or higher.

B. ATTENDANCE:

1. Students must follow the Attendance Policy as stated in the college student handbook and the Auto Collision Repair Technology Attendance Policy.

C. PROGRAM SHOP SAFETY RULES WILL BE FOLLOWED.

D. PLEASE SEE THE COURSE INFORMATION DOCUMENT FOR ANY ADDITIONAL SAFETY RULES ESTABLISHED BY THE INSTRUCTOR.