REFINISH COLOR ADJUSTMENT
Course Syllabus

Course Number: ART-0285
OHLAP Credit: No
OCAS Code: None
Course Length: 75 Hours
Career Cluster: Transportation, Distribution & Logistics
Career Pathway: Automotive Collision Repair
Career Major(s): Collision Repair Technician

Pre-requisite(s):

Course Description: In this course the students will learn to make a spray-out panel and how to evaluate the color match. Techniques and strategies for adjusting the color for an acceptable color match will be taught. Students will learn techniques to help adjust high metallic/mica colors as well as tri-coat colors.


Course Objectives:

A. Discuss Color Theory, Evaluation and Matching
1. Discuss color theory.
2. Describe the effect various light sources have on color.
3. Explain the term “dimensions of color.”
4. Use a spectrophotometer and computerized paint matching system.
5. Discuss and practice color tinting.
6. Describe how to match metallic finishes.
7. Discuss matching basecoat/clearcoat finishes.
8. Discuss matching pearl luster finishes, mica paints, and tri-coat finishes.

B. Practice Mixing, Matching, and Tinting Skills
1. Determine type and color of paint already on vehicle by manufacturer’s vehicle information label. (HP-I) ¹
2. Review basic color theory and components.
3. Review how color is made.
4. Review paint mixing equipment and tints.
5. Tint color using formula to achieve a blendable match. (HP-G) ¹
6. Check for color variations (alternate formulas, oxidation, lighting, etc.).
7. Shake, stir, reduce, catalyze/activate and strain paint. (HP-I) ¹
8. Apply finish using appropriate spray techniques (gun arc, gun angle, gun distance, gun speed, and spray pattern overlap) for finish being applied. (HP-I)¹
9. Apply selected product on test and let-down panel; check for color match. (HP-I) ¹
10. Identify and mix formula; check and adjust color for matching on all applied finish
11. Apply and blend finish for correct color and texture match of all applied finishes.
12. Color sand, buff, and polish finishes where necessary.
REFINISH COLOR ADJUSTMENT

1ASE objective
All unmarked objectives are TTC instructor developed.

Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

Grading Procedures: 1. Students are graded on theory and shop practice and performance.
2. Each course must be passed with seventy (70%) percent or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.

Description of Classroom, Laboratories, and Equipment: Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit: The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility: The student must maintain a grade point average of 2.0 or better.