

# Minnesota State College Southeast

## ABCT 1270: Refinishing Lab

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: 6

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This lab allows the student hands on time for refinishing projects. Students will be required to complete assignments which include paint preparation, color analysis, paint application, use color matching techniques, detail the paint finish, and perform final vehicle predelivery tasks. This course is intended to be a skill building lab used in conjunction with previous or current courses requiring refinishing objectives. (Prerequisite or concurrent enrollment in ABCT1240 or ABCT1241) (3 Credits: 0 lec/3 lab)

**B. COURSE EFFECTIVE DATES:** 10/15/1998 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Pre-cleaning
2. Desassembly
3. Surface preparation
4. Masking
5. Apply coatings
6. Detail paint finish
7. Reassembly
8. Detail for delivery

#### **D. LEARNING OUTCOMES (General)**

1. Exhibit refinishing health and safety practices
2. Interpret product data sheets
3. Apply corrosion protection materials
4. Perform precleaning procedures
5. Analyze paint surface conditions
6. Formulate a repair and/or refinishing plan
7. Remove and replace exterior trim and hardware
8. Perform vehicle paint code identification
9. Formulate vehicle color
10. Sprayout color analysis panel
11. Evaluate color sprayout and tint vehicle color
12. Roughout sheet metal damage
13. Apply and finish body fillers
14. Perform surface preparations for refinishing
15. Mask vehicle for application of undercoats
16. Apply undercoats as required
17. Level undercoats as required
18. Reapply undercoats as needed
19. Final sand undercoats
20. Develop vehicle spraying plan
21. Mask vehicle for application of topcoats
22. Final clean vehicle for topcoat applications
23. Prepare and operate spray booth
24. Perform painter preparation tasks
25. Setup and operate spray equipment
26. Apply sealer/primer sealer
27. Apply vehicle topcoats
28. Clean spray equipment
29. Detail paint finish as required
30. Replace vehicle trim and hardware as required
31. Perform vehicle pre-delivery tasks
32. Detail vehicle for customer delivery
33. Perform shop/equipment maintenance and clean-up duties
34. Exhibit professionalism

#### **E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

#### **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

#### **G. SPECIAL INFORMATION**

None noted