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