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 pre-delivery 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. Spayout color analysis panel
  11. Evaluate color spayout 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