

Minnesota State College Southeast

ABCT 1100: Introduction to Refinishing

A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: 1

Lab Hours/Week: 6

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course presents information on health and safety issues, basic refinishing equipment, product types and uses, preparation steps, application procedures, masking techniques, and other basics of refinishing. Learning takes place through class presentations, demonstrations, and hands-on application. (Prerequisite: None) (4 Credits: 1 lec/3 lab)

B. COURSE EFFECTIVE DATES: 04/27/1998 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Identify refinishing related health and safety hazards
2. Exhibit refinishing health and safety related practices
3. Identify reasons for vehicle finish/refinishing
4. Interpret refinishing terms
5. Interpret product data sheet information
6. Identify spray guns
7. Describe spray gun set-up
8. Identify paint film problems associated with improper spray gun set-up
9. Setup spray gun
10. Describe spray gun technique
11. Identify paint film problems associated with improper spray technique
12. Practice product application using proper spray gun technique
13. Identify pre-cleaning products and procedures
14. Identify paint film problems/failures associated with improper pre-cleaning
15. Perform pre-cleaning procedures
16. Identify automotive abrasives, related tools and equipment
17. Describe panel preparation procedures for undercoats
18. Select proper tools and abrasives
19. Prepare panels for undercoats application
20. Identify contents of paint
21. Identify pre-coats/prep-coats
22. Mix and apply pre-coats/prep-coats
23. Identify primer surfacers
24. Mix and apply primer surfacers
25. Identify block sanding, leveling techniques
26. Perform block sanding, leveling on assigned panels
27. Identify final sanding techniques
28. Identify paint film, discrepancies associated with improper abrasives/sanding techniques
29. Perform final sanding on assigned panels
30. Identify final cleaning procedures for topcoats
31. Identify paint film problems/failures associated with improper final cleaning
32. Perform final cleaning procedures for topcoats
33. Identify primer sealers
34. Mix and apply primer sealers
35. Identify top coats/color coats
36. Mix and apply top coats/color coats
37. Identify metallic orientation techniques
38. Perform metallic orientation techniques
39. Identify paint detailing techniques
40. Perform paint detailing techniques to applied topcoats
41. Identify vehicle paint code locations
42. Interpret vehicle paint codes
43. Convert vehicle paint code to a paint formula
44. Generate vehicle color using in house paint mixing system

45. Identify masking materials
46. Describe masking procedures for undercoats
47. Mask assigned panels for undercoats
48. Describe masking procedures for topcoats
49. Mask assigned panels for topcoats
50. Perform shop/equipment maintenance and clean-up duties
51. 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