

# **Dakota County Technical College**

## **ABCT 1216: Refinishing Application**

### **A. COURSE DESCRIPTION**

Credits: 5

Lecture Hours/Week: 1

Lab Hours/Week: 4

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers the application of undercoats and topcoats in refinishing. Color theory, adjustment, and blending will be covered.

Prerequisites: ABCT1142, ABCT1150, ABCT1130, ABCT1214 or BSEP1301.

**B. COURSE EFFECTIVE DATES:** 08/19/2002 - Present

### **C. OUTLINE OF MAJOR CONTENT AREAS**

**D. LEARNING OUTCOMES (General)**

1. Identify refinishing safety
2. Perform refinishing safety
3. Describe types of paint systems
4. Select paint system
5. Describe OEM color match variables
6. Describe collision repair color match variables
7. Describe three stage paint let down panel
8. Describe lighting variables
9. Verify color match
10. Describe alternate/variance colors
11. Describe color match verification procedures
12. Select alternate/variance colors
13. Describe spray test panels
14. Perform test panel spray out
15. Reduce/catalyze primer sealers
16. Paint let down panel
17. Mix color
18. Describe paint material reductions
19. Reduce/catalyze paint materials
20. Describe final cleaning procedures
21. Perform final cleaning
22. Describe stone chip resistant coatings
23. Apply stone chip resistant coatings
24. Describe spot repair procedures
25. Perform basecoat/clearcoat spot repair
26. Perform single stage spot repair
27. Describe overall refinishing procedures
28. Perform BC/CC overall refinish
29. Describe primer sealers
30. Apply primer sealers
31. Reduce/catalyze basecoat
32. Apply basecoat
33. Reduce/catalyze clearcoat
34. Apply clearcoat
35. Apply single stage paint
36. Apply three stage paint
37. Describe paint booth operations
38. Perform paint booth maintenance procedures
39. Describe force drying procedures
40. Perform force drying
41. Describe paint defects
42. Determine causes of paint defects
43. Correct paint defects
44. Perform clearcoat wet sanding

45. Perform clearcoat DA sanding
46. Perform buffing and polishing procedures
47. Describe color tinting techniques
48. Perform solid color tint #1
49. Perform solid color tint #2
50. Perform solid color tint #3
51. Perform metallic color tint #1
52. Perform metallic color tint #2
53. Perform metallic color tint #3
54. Research custom painting
55. Perform 42 hours (flat rate) of refinishing application time

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

None

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted