A. **Course Description**

- **Credits:** 5.00
- **Lecture Hours/Week:** 1.00
- **Lab Hours/Week:** 4.00
- **OJT Hours/Week:** 0
- **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:** 8/19/02 – Present

C. **Outline of Major Content Areas**

As noted on course syllabus

D. **Learning Outcomes**

1. Apply basecoat
2. Apply clearcoat
3. Apply primer sealers
4. Apply single stage paint
5. Apply stone chip resistant coatings
6. Apply three stage paint
7. Correct paint defects
8. Describe OEM color match variables
9. Describe alternate/variance colors
10. Describe collision repair color match variables
11. Describe color match verification procedures
12. Describe color tinting techniques
13. Describe final cleaning procedures
14. Describe force drying procedures
15. Describe lighting variables
16. Describe overall refinishing procedures
17. Describe paint booth operations
18. Describe paint defects
19. Describe paint material reductions
20. Describe primer sealers
21. Describe spot repair procedures
22. Describe spray test panels
23. Describe stone chip resistant coatings
24. Describe three stage paint let down panel
25. Describe types of paint systems
26. Determine causes of paint defects
27. Identify refinishing safety
28. Mix color
29. Paint let down panel
30. Perform 42 hours (flat rate) of refinishing application time
31. Perform BC/CC overall refinish
32. Perform basecoat/clearcoat spot repair
33. Perform buffing and polishing procedures
34. Perform clearcoat DA sanding
35. Perform clearcoat wet sanding
36. Perform final cleaning
37. Perform force drying
38. Perform metallic color tint #1
39. Perform metallic color tint #2
40. Perform metallic color tint #3
41. Perform paint booth maintenance procedures
42. Perform refinishing safety
43. Perform single stage spot repair
44. Perform solid color tint #1
45. Perform solid color tint #2
46. Perform solid color tint #3
47. Perform test panel spray out
48. Reduce/catalyze basecoat
49. Reduce/catalyze clearcoat
50. Reduce/catalyze paint materials
51. Reduce/catalyze primer sealers
52. Research custom painting
53. Select alternate/variance colors
54. Select correct color of primer-sealer
55. Select paint system
56. Verify color match
E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

F. Learner Outcomes Assessment
   As noted on course syllabus

G. Special Information
   None noted