

Minnesota State College Southeast

ABCT 1155: Refinishing 1

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 1

Lab Hours/Week: 2

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Introductions to refinishing products, equipment, terminology, safety, corrosion protection, and product application are part of this course. The main focus will be the stages of refinishing that deal with repaired areas, bare metal, and the back side of these areas or panels. Primer surfacer work will focus on getting repaired areas leveled and free of imperfections through block sanding techniques. This course will prepare panels and build knowledge needed for Refinishing 2 which is top coat applications. This course is highly suggested prior to taking refinishing 2 but is not required. (Prerequisite or concurrent: ABCT1115) (2 credits: 1 lecture/1 lab)

B. COURSE EFFECTIVE DATES: 02/10/2015 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Practice safe procedures for refinishing
2. Demonstrate knowledge of abrasives, spray equipment set-up, and paint terminology
3. Identify and practice procedures of metal treatment and priming of repaired areas
4. Apply and utilize correctly surface cleaners, metal treatments, and primer surfacers
5. Apply corrosion protection coatings to the backside of repair areas

D. LEARNING OUTCOMES (General)

1. Identify and practice safe refinishing procedures
2. Define paint terminology
3. Utilize paint manufacture reference materials for product usage
4. Set-up and use primer application spray equipment
5. Identify substrate to be repaired and primed and needed procedures
6. Explain pre-sanding cleaning products and procedures and demonstrate
7. Identify refinishing abrasives, grit rating system, and grit usage
8. Perform featheredge and scuffing procedures for primer application
9. Identify cleaning products and procedures used prior to metal treatments and priming operations
10. Utilize cleaning procedures for prior to metal treatments and priming operations
11. Identify bare steel treatment products and procedures
12. Prepare bare steel and apply metal treatment products
13. Identify bare aluminum treatment products and procedures
14. Prepare bare aluminum and apply metal treatment products
15. Identify plastic and composite parts priming products and procedures
16. Prepare plastic and composite parts and apply primers
17. Identify primer surfacer leveling techniques, products, and tools
18. Level primer surfacer for reapplication or top coat procedures
19. Demonstrate knowledge of primer surfacer and apply to repair areas
20. Identify spray application procedures and equipment for back coating repair areas
21. Apply coating to back side of panels in repair areas Clean and maintain paint department equipment
22. Clean and maintain paint department equipment
23. Complete required course assignments, quizzes, and tests
24. Participate in all course activities
25. Demonstrate 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