



South Central College

ABCT 1820 Priming and Refinish System Preparation

Course Outcome Summary

Course Information

Description	This course teaches students refinishing safety, tools, equipment, surface preparation, and material application procedures. (Prerequisites: None)
Total Credits	3
Total Hours	80

Types of Instruction

Instruction Type	Credits/Hours
Lecture	1/16
Lab	2/64

Pre/Corequisites

None

Institutional Core Competencies

Civic Engagement and Social Responsibility - Students will be able to demonstrate the ability to engage in the social responsibilities expected of a community member.

Communication - Students will be able to demonstrate appropriate and effective interactions with others to achieve their personal, academic, and professional objectives.

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

- 1. The following list of course goals will be addressed in the course. These goals are directly related to the performance objectives.[HP-I] designates an individual goal. [HP-G] designates a group goal.**
- 2. Exhibit professionalism.**
- 3. Comply with personal and environmental safety practices associated with clothing and the use of gloves; respiratory protection; eye protection; hand tools; power equipment; proper ventilation; and the handling, storage, and disposal of chemicals/materials in accordance with local, state, and federal safety and environmental regulations.**

4. **[HP-I] Identify and take necessary precautions with hazardous operations and materials according to federal, state, and local regulations.**
5. **[HP-I] Identify safety and personal health hazards according to OSHA guidelines and the Right to Know Law.**
6. **[HP-I] Inspect spray environment to ensure compliance with federal, state and local regulations, and for safety and cleanliness hazards.**
7. **[HP-I] Select and use the NIOSH approved personal sanding respirator. Inspect condition and ensure fit and operation. Perform proper maintenance in accordance with OSHA Regulation 1910.134 and applicable state and local regulation.**
8. **[HP-I] Select and use the NIOSH approved (Fresh Air Make-up System) personal painting/refinishing respirator system. Perform proper maintenance in accordance with OSHA Regulation 1910.134 and applicable state and local regulation.**
9. **[HP-I] Select and use the proper personal safety equipment for surface preparation, spray gun and related equipment operation, paint mixing, matching and application, paint defects, and detailing (gloves, suits, hoods, eye and ear protection, etc.).**
10. **[HP-I] Inspect, remove, store, and replace exterior trim and components necessary for proper surface preparation.**
11. **[HP-I] Soap and water wash entire vehicle; use appropriate cleaner to remove contaminants.**
12. **[HP-I] Inspect and identify substrate, type of finish, surface condition, and film thickness; develop and document a plan for refinishing using a total product system.**
13. **[HP-I] Remove paint finish.**
14. **[HP-I] Dry or wet sand areas to be refinished.**
15. **[HP-I] Featheredge damaged areas to be refinished.**
16. **[HP-I] Apply suitable metal treatment or primer in accordance with total product systems.**
17. **[HP-I] Mask and protect other areas that will not be refinished.**
18. **[HP-I] Mix primer, primer surfacer or primer sealer.**
19. **[HP-I] Apply primer onto surface of repaired area.**
20. **[HP-I] Apply two-component finishing filler to minor surface imperfections.**
21. **[HP-I] Dry or wet sand area to which primer surfacer has been applied.**
22. **[HP-I] Dry sand area to which two-component finishing filler has been applied.**
23. **[HP-I] Remove dust from area to be refinished, including cracks or moldings of adjacent areas.**
24. **[HP-I] Clean area to be refinished using a final cleaning solution.**
25. **[HP-I] Remove, with a tack rag, any dust or lint particles from the area to be refinished.**
26. **[HP-I] Apply suitable sealer to the area being refinished when sealing is needed or desirable.**
27. **[HP-I] Scuff sand to remove nibs or imperfections from a sealer.**
28. **[HP-I] Restore corrosion-resistant coatings, caulking, and seam sealers to repaired areas.**
29. **[HP-I] Inspect, clean, and determine condition of spray guns and related equipment (air hoses, regulators, air lines, air source, and spray environment).**
30. **[HP-I] Check and adjust spray gun operation for HVLP (high volume, low pressure) or LVLP (low volume, low pressure) guns.**
31. **[HP-I] Set-up (fluid needle, nozzle, and cap), adjust, and test spray gun using fluid, air, and**

pattern control valves.

32. [HP-I] Determine type and color of paint already on vehicle by manufacturer's vehicle information label.
33. [HP-I] Shake, stir, reduce, catalyze/activate, and strain paint.
34. [HP-I] Apply finish using appropriate spray techniques (gun arc, gun angle, gun distance, gun speed, and spray pattern overlap) for the finish being applied.

SCC Accessibility Statement

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: www.southcentral.edu/disability

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.