



South Central College

ABCT 2810 Appearance Matching

Course Outcome Summary

Course Information

Description	This course teaches students identification and correction of color match and appearance problems. The techniques of tinting, color correction, paint, and vehicle detailing will be covered.
Total Credits	3
Total Hours	80

Types of Instruction

Instruction Type	Credits/Hours
Lecture	
Lab	

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

- 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.**
- Exhibit professionalism.**
- 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] Denib, buff, and polish finishes where necessary.
14. [HP-G] Identify poor hiding colors; determine necessary action.
15. [HP-G] Tint color using formula to achieve a blendable match.
16. [HP-G] Identify alternative color formula to achieve a blendable match.
17. [HP-G] Identify blistering (raising of the paint surface); determine the cause(s) and correct the condition.
18. [HP-G] Identify blushing (milky or hazy formation); determine the cause(s) and correct the condition.
19. [HP-G] Identify a dry spray appearance in the paint surface; determine the cause(s) and correct the condition.
20. [HP-G] Identify the presence of fish-eyes (crater-like openings) in the finish; determine the cause(s) and correct the condition.
21. [HP-G] Identify lifting; determine the cause(s) and correct the condition.
22. [HP-G] Identify clouding (mottling and streaking in metallic finishes); determine the cause(s) and correct the condition.
23. [HP-I] Identify orange peel; determine the cause(s) and correct the condition.
24. [HP-G] Identify overspray; determine the cause(s) and correct the condition.
25. [HP-G] Identify solvent popping in freshly painted surface; determine the cause(s) and correct the condition.
26. [HP-G] Identify sags and runs in paint surface; determine the cause(s) and correct the condition.
27. [HP-G] Identify sanding marks (sandscratch swelling); determine the cause(s) and correct the condition.

28. [HP-G] Identify contour mapping (shrinking and splitting) while finish is drying; determine the cause(s) and correct the condition.
29. [HP-G] Identify color difference (off-shade); determine the cause(s) and correct the condition.
30. [HP-G] Identify tape tracking; determine the cause(s) and correct the condition.
31. [HP-G] Identify low gloss condition; determine the cause(s) and correct the condition.
32. [HP-G] Identify poor adhesion; determine the cause(s) and correct the condition.
33. [HP-G] Identify paint cracking (crowsfeet or line-checking, micro-checking, etc.); determine the cause(s) and correct the condition.
34. [HP-G] Identify corrosion; determine the cause(s) and correct the condition.
35. [HP-I] Identify dirt or dust in the paint surface; determine the cause(s) and correct the condition.
36. [HP-G] Identify water spotting; determine the cause(s) and correct the condition.
37. [HP-G] Identify finish damage caused by bird droppings, tree sap, and other natural causes; correct the condition.
38. [HP-G] Identify finish damage caused by airborne contaminants (acids, soot, rail dust, and other industrial-related causes); correct the condition.
39. [HP-G] Identify die-back conditions (dulling of the paint film showing haziness); determine the cause(s) and correct the condition.
40. [HP-G] Identify chalking (oxidation); determine the cause(s) and correct the condition.
41. [HP-G] Identify bleed-through (staining); determine the cause(s) and correct the condition.
42. [HP-G] Identify pin-holing; determine the cause(s) and correct the condition.
43. [HP-G] Identify buffing-related imperfections (swirl marks, wheel burns); correct the condition.
44. [HP-G] Identify pigment flotation (color change through film build); determine the cause(s) and correct the condition.
45. [HP-I] Measure mil thickness.
46. [HP-I] Clean interior, exterior, and glass.
47. [HP-I] Clean body openings (door jambs and edges, etc.).
48. [HP-I] Remove overspray.
49. Describe and perform pre-delivery inspection.

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