ABCT 1280: Production Lab

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: *.*
Lab Hours/Week: 6
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

This lab is intended to build student skills and efficiency in the repair and/or refinishing of vehicles requiring non-structural repairs. Included would be panel repair, panel replacements and alignment, plastic or composite repairs, refinishing, detailing and other repair tasks conducive to the students' career track.
(Prerequisites: none) (3 Credits: 0 lec/3 lab)

B. COURSE EFFECTIVE DATES: 10/15/1998 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Disassembly
2. Repair panels
3. Replace panels
4. Refinish panels
5. Reassembly
6. Detail for delivery
D. LEARNING OUTCOMES (General)
   1. Exhibit personal health and safety practices
   2. Perform vehicle precleaning procedure
   3. Develop vehicle repair and/or refinishing plan
   4. Use vehicle protection procedures
   5. Remove and replace vehicle trim and hardware
   6. Remove and replace vehicle interior components
   7. Repair damaged sheet metal panels
   8. Repair fiberglass/smc and plastic panels
   9. Fabricate and install rust repair panels
  10. Remove/replace and align bolt on panels
  11. Remove/replace and align hinged panels
  12. Remove/replace and align weld on panels
  13. Remove/replace and align adhesive attached panels
  14. Remove/replace and adjust movable glass
  15. Remove/replace non-structural stationary glass
  16. Remove/replace minor mechanical components
  17. Apply corrosion protection materials
  18. Prepare vehicle surfaces for refinishing
  19. Uses color matching, tinting and blending techniques
  20. Refinish plastic components
  21. Refinish partial vehicle
  22. Refinish complete vehicle
  23. Apply specialty coatings
  24. Detail paint finishes
  25. Clean and maintain spray equipment
  26. Apply vinyl pinstriping/decals/overlays
  27. Perform vehicle predelivery checks
  28. Detail vehicle for customer delivery
  29. Perform shop/equipment maintenance and clean-up duties
  30. Exhibit 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