

# Minnesota State College Southeast

## ABCT 1113: Introduction to Auto Body

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: 6

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Information related to industry terminology, vehicle construction, removal and installations of interior and exterior trim and hardware, moveable glass, disassembly/reassembly of basic mechanical components, health and safety issues and Right to Know Laws are a few of the topics highlighted in this course. Pre-delivery inspections, adjustments, and final detailing are also covered. (Prerequisite: None) (3 Credits: 0 lec/3 lab)

**B. COURSE EFFECTIVE DATES:** 12/22/2004 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Related Health and Safety
2. Nomenclature
3. Exterior trim and hardware
4. Interior trim and seating
5. Pre-delivery
6. Perform assignments
7. Capstone project

## **D. LEARNING OUTCOMES (General)**

1. Describe career opportunities and employer expectations
2. Identify general shop safety rules, policies and requirements
3. Identify locations of fire and medical emergency equipment
4. Exhibit personal health and safety practices
5. Interpret MSDS information and Right to Know Laws
6. Identify locations of shop equipment, products, and materials
7. Identify general automotive hand and specialty tools
8. Procure required toolbox and tools as per tool list
9. Describe recycling and hazardous waste disposal procedures
10. Classify vehicle body styles and construction types
11. Interpret vehicle parts, assemblies, glass, trim and hardware terminology
12. Identify fasteners and attachment methods common to vehicle body components
13. Perform battery handling, testing, and charging procedures
14. Resource service procedures and vehicle specifications
15. Perform vehicle lifting and safety stand placement
16. Perform vehicle wheel removal/replacement
17. Disarm and remove supplemental restraint systems
18. Inspect and test function of active personal restraint systems
19. Remove/replace interior door trim pads
20. Remove/replace vehicle exterior trim
21. Remove/replace vehicle door handles, locks, linkage rods and latches
22. Remove/replace vehicle door handles, locks, linkage rods and latches
23. Identify cooling system components and service procedures
24. Remove/replace vehicle cooling system
25. Identify exhaust system components and service procedures
26. Remove vehicle exhaust system
27. Identify fuel system components and service procedures
28. Remove vehicle fuel system
29. Remove vehicle seating and interior trim
30. Remove/replace vehicle seat tracks and coverings
31. Identify buffing and polishing procedures
32. Identify exterior detailing procedures
33. Perform vehicle buffing and polishing procedures
34. Detail vehicle exterior
35. Identify interior, trunk, and engine compartment detailing procedures
36. Detail vehicle interior, trunk and engine compartment
37. Identify electronic and mechanical headlamp aiming procedures
38. Aim vehicle headlamps
39. Identify vehicle pre-delivery checks
40. Perform vehicle light and fluid checks
41. Apply vinyl pin striping/decal/wood-graining materials
42. Perform shop/equipment maintenance, and clean-up duties
43. 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