

# Minnesota State College Southeast

## **AUTO 1105: General Auto Service Theory**

### **A. COURSE DESCRIPTION**

Credits: 1

Lecture Hours/Week: 1

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course is designed as a prerequisite for all technical automotive courses. Major emphasis is placed on shop safety, use of service manuals, preventative maintenance, use of automotive tools and equipment.  
(Prerequisite: None) (1 Credit: 1 lecture/0 lab)

**B. COURSE EFFECTIVE DATES:** 04/27/1998 - Present

**C. OUTLINE OF MAJOR CONTENT AREAS**

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

1. Explain safety procedures related to the shop
2. Explain safety procedures
3. Explain oxy-acetylene torch use
4. Analyze exhaust system components
5. Analyze wheel bearings
6. Analyze a battery
7. Explain different types of lubricants
8. Explain use of lubrication manual
9. Explain lubrication oil and filter services
10. Explain safety inspection
11. Explain tire balance
12. Analyze tire construction
13. Complete mid-course exam
14. Analyze fan belts
15. Analyze cooling system hoses
16. Analyze thermostat
17. Explain cooling system
18. Explain winterizing a cooling system
19. Explain proper use of voltmeter
20. Analyze transmission filters and gaskets
21. Explain proper use of test lights
22. Analyze pipe diameter
23. Analyze exterior lights
24. Exhibit professionalism
25. Complete final exam

#### **E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

#### **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

#### **G. SPECIAL INFORMATION**

None noted