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