A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 2
Lab Hours/Week: 1
OJT Hours/Week: *.*

Prerequisites:
This course requires the following prerequisite
   MGEM 1624 - Intro to Powersports Electrical Systems (Number of Years Valid: 5)

Corequisites: None
MnTC Goals: None

This course includes the study of basic clutches, drive mechanisms, outdoor power equipment, and steering systems. Transmissions and drive systems as they apply to various manufacturers are also covered. This is a beginning look at the many drive systems used on lawn and garden equipment. This course also includes basic repair on hand held outdoor power equipment. Prerequisite: MGEM1611.

B. COURSE EFFECTIVE DATES: 12/22/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

   1. Describe outdoor power equipment (OPE).
   2. Identify OPE maintenance procedures.
   3. Perform OPE maintenance procedures.
   4. Describe handheld equipment.
   5. Identify handheld service procedures.
   6. Perform handheld service procedures.
   7. Describe OPE electrical systems.
   8. Identify OPE electrical test procedures.
   9. Perform OPE electrical tests.

D. LEARNING OUTCOMES (General)

   1. The learner will describe safety requirements for outdoor power equipment and will perform and service maintenance as described in service manual.
   2. The learner will perform scheduled maintenance on handheld outdoor power equipment as described in service manual.
   3. The learner will demonstrate proper electrical service procedures for outdoor power equipment.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted