MGEM 2620: ATV I

A. COURSE DESCRIPTION

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

Prerequisites:
This course requires the following prerequisite
   MGEM 2618 - Motorcycle/ATV Tune-Up (Number of Years Valid: 5)
Corequisites: None
MnTC Goals: None

This course covers ATV engines, clutches, transmissions, drivelines, and suspensions/frames. It includes all the makes and models found in the industry. The learner is able to diagnose problems and repair the ATV per manufacturer specification. This course provides learners with hands-on experience.

B. COURSE EFFECTIVE DATES: 01/16/2003 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

   1. Analyze frame design and function of an ATV.
   2. Identify common drive line components used on an ATV.
   3. Disassemble and reassemble 2 and 4 stroke engines.
   4. Analyze ATV transmissions.
   5. Perform tire service on an ATV.
   6. Properly align an ATV steering system.

D. LEARNING OUTCOMES (General)

   1. The learner will identify and repair the different parts of the A.T.V. frame.
   2. The learner will remove engine from frame, disassemble engine, identify parts and measure them, reassemble engine to manufactures specifications and install back in frame.
   3. The learner will remove A.T.V. tire from rim and install new one.
   4. The learner will adjust the A.T.V. to manufacture specifications.

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

   None

F. LEARNER OUTCOMES ASSESSMENT

   As noted on course syllabus

G. SPECIAL INFORMATION

   None noted