MGEM 1623: Snowmobile I

A. COURSE DESCRIPTION

   Credits: 4
   Lecture Hours/Week: 3
   Lab Hours/Week: 2
   OJT Hours/Week: *.*

   Prerequisites:
   This course requires the following prerequisite
   MGEM 1622 - Intro to Powersports Fuel Systems (Number of Years Valid: 5)

   Corequisites: None

   MnTC Goals: None

   This course is an introduction to snowmobiles including the study of engine theory as it applies to
   snowmobiles, fuel systems, and drive system inspection and repair.

B. COURSE EFFECTIVE DATES: 04/26/2021 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

   1. Examine the history of snowmobiles.
   2. Define fuel and lubrication systems as it pertains to snowmobiles.
   3. Describe fuel delivery systems.
   4. Identify carburetor circuits.
   5. Identify fuel injection components.
   6. Describe drive and driven clutch theory.
   7. Identify drive and driven clutch operation.
   8. Demonstrate the use of tools and test equipment in a safe manner.

D. LEARNING OUTCOMES (General)

   1. The learner will identify 2-cycle engine components.
   2. The learner will perform carburetor repairs and adjustments on 2-cycle engines.
   3. The learner will demonstrate knowledge of proper fuel and lubrication requirements for 2-cycle
      engines.

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

   None

F. LEARNER OUTCOMES ASSESSMENT

   As noted on course syllabus

G. SPECIAL INFORMATION

   None noted