**DCTC HCEM 1102 GENERAL SHOP MECHANICS - INTRODUCTION**

1. **Course Description**
   * **Credits:** 3.00
   * **Lecture Hours/Week:** 1.00
   * **Lab Hours/Week:** 2.00
   * **OJT Hours/Week:** 0
   * **Prerequisites:** None
   * **Corequisites:** None
   * **MnTC Goals:** None

Students achieve a basic understanding of skills needed in the heavy equipment field. Some areas covered are safety, hand and power tools, hand tool projects, flaring, soldering, gears, chains, bearings, seals, fuels, lubricants, fasteners, fittings, wires and connectors, belts, pulleys, couplings, and precision measuring instruments. Prerequisites: None

1. **Course Effective Dates:**8/21/17 – Present
2. **Outline of Major Content Areas**

As noted on course syllabus

1. **Learning Outcomes**
   * administer forklift safety training
   * construct hand tool projects
   * demonstrate professionalism
   * demonstrate safe lifting techniques C
   * demonstrate shop safety
   * demonstrate use of hand tools
   * demonstrate use of lifting equipment
   * demonstrate use of proper blocking techniques
   * explain fastener types
   * explain fitting types
   * explain sealants
   * explain tap and drill chart
2. **Minnesota Transfer Curriculum Goal Area(s) and Competencies**
3. **Learner Outcomes Assessment**

As noted on course syllabus

1. **Special Information**

None noted