A. 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

   This course provides the student with an understanding of track drive component operation and wear. Students study principles of operation, demonstrate safe jacking and blocking procedures, and study track, track frame, sprocket, idler, and roller removal and installation. Wear analysis and preventive maintenance are stressed. Adjustments are made according to manufacturer's specifications. Prerequisites: HCEM1101 and HCEM2115, or instructor's approval.

B. Course Effective Dates: 3/22/98 – Present

C. Outline of Major Content Areas
   As noted on course syllabus

D. Learning Outcomes
   1. adjust track tension
   2. demonstrate shop safety
   3. describe track drive operation
   4. examine component wear
   5. explain final drive operation and components
   6. identify track drive components
   7. measure under carriage wear
   8. remove and install track type under carriage
   9. remove track frame
   10. use specialized tooling

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

F. Learner Outcomes Assessment
As noted on course syllabus

G. **Special Information**
   None noted