A. COURSE DESCRIPTION
   Credits: 3
   Lecture Hours/Week: *.*
   Lab Hours/Week: *.*
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None

   Current topics, or emerging research or exploration and assessment of topics in the applied engineering, industrial technology, and/or technology management fields, or any related field. Prerequisites: Junior status or consent of the instructor.

B. COURSE EFFECTIVE DATES: 08/22/2016 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)
   1. analyze the components of the Advanced Topic.
   2. compare applications of the Advanced Topic used in engineering, manufacturing or construction applications.
   3. describe the principles of the Advanced Topic from a materials and processes perspective in engineering/manufacturing/construction applications.
   4. explain the economic and environmental benefits of adopting the Advanced Topic practices in a variety of engineering/manufacturing/construction applications.
   5. practice principles of the Advanced Topic to solve technological problems.
   6. synthesize potential applications for the Advanced Topic.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted