A. COURSE DESCRIPTION

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

Prerequisites:
This course requires the following prerequisite
   MDAD 1252 - Working Drawings 1 for CAD Design

Corequisites: None

MnTC Goals: None

The course will provide the student with a more advanced understanding of what is required of mechanical
technical drawings. It is a project related course that will enhance skills gained in Working Drawings I.
The projects will be diverse ranging from tool drawings to production assemblies. Special note: The
student is required to purchase a student version of Solidworks, Inventor, or equivalent 3 d software.
(Prerequisites: MDAD1252) (3 credits: 3 lecture/0 lab)

B. COURSE EFFECTIVE DATES: 01/24/2012 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)
   1. Complete technical drawings that meet industry standards
   2. Analyze and complete assembly drawings
   3. Analyze piece part drawings
   4. Create weldment drawings
   5. Complete sheet metal design problems
   6. Analyze dimensioning techniques
   7. Apply standard tolerances
   8. Apply standard parts
   9. Apply thread systems to mechanical drawings
  10. Apply standard fits
  11. Apply proper finishes

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

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted