

COURSE OUTLINE  
Revision: L. Nguyen Feb. 2012

DEPARTMENT:	Engineering & Engineering Technology
CURRICULUM:	Engineering Technology
COURSE TITLE:	Design Project Management
COURSE NUMBER:	TDR 236
TYPE OF COURSE:	Technical Preparatory/
COURSE LENGTH:	1 quarter
CREDIT HOURS:	1
LECTURE HOURS:	11
LAB HOURS:	11
CLASS SIZE:	24
PREREQUISITES:	MET 102 (Technical Problem Solving), TDR 231 (Advanced CAD 3-D), and TDR 233(Field Specialty Drafting - Civil)

COURSE DESCRIPTION:

Integration of the basic elements of a design project, the design process, teamwork, project planning, time management, and project presentation.

STUDENT LEARNING OUTCOMES ADDRESSED:

1. Computation - Use basic mathematical operations as required to define geometry and manufacture parameters.

STUDENT LEARNING OUTCOMES ADDRESSED: (cont.)

2. Technology - Select and use appropriate technological tools to create technical graphics.
3. Communication - Read and translate technical data relative to geometry, fabrication and assembly/installation requirements into a graphical form easily understood by others with similar technical understanding.
4. Critical Thinking and Problem Solving - Organize and evaluate technical data. Select and apply appropriate spatial relationship principles to determine problem solution.
5. Personal Responsibility - Value and take pride in one's own technical, management, communication and team enhancement skills.
6. Information Literacy - Access, evaluate and apply information from a variety of technical resources.
7. Human Relations - Use human social interactive skills to promote and enhance a positive and productive teamwork environment.

GENERAL COURSE OBJECTIVES:

At the end of the course the student will:

1. Define and demonstrate the design process as a step-by-step procedure that is applied in the development of a solution to an engineering problem.
2. Identify numerous factors that can influence a design effort.
3. Demonstrate effective teamwork behavior.
4. Explain the basic requirements for project planning and management.
5. Describe and demonstrate the basic elements of a project presentation.

TOPICAL OUTLINE:

APPROX. HOURS

I.	Introduction	1
II.	The design process	6
III.	Teamwork	4
IV.	Project Planning Management	6
V.	Project Performing Management	<u>5</u>
	Total	22

REVISED BY: Loc Nguyen  
DATE: Feb. 2012