



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Project Management for Engineering Technology

ENGRTEC 3800

Credit Hours:

3.00 - 3.00

Course Levels:

Undergraduate (1000-5000 level)

Course Components:

Lecture

Course Description:

Project Management is a course that focuses on waterfall (PMBOK) and Agile methodologies for managing projects in the manufacturing industry. Emphasis is placed on project initiation, planning, executing, monitoring & controlling, and closing processes. This course will provide students with an overview of leadership roles and responsibilities, as well as interpersonal skills, conflict resolution.

Prerequisites and Co-requisites:

Prereq: 2500 and ISE 2040, or permission of instructor.

Course Goals / Objectives:

- Know fundamental standards and terms used in project management
 - Use basic project management software programs
 - Comprehend all the steps involved with managing a project from start to finish in the project lifecycle, including how to adapt to solve problems along the way
 - Communicate ideas and plans with everyone involved in a project, including but not limited to sponsors, upper management, and the team.
 - Influence and lead a diverse team with an awareness of your own strengths and weaknesses as well as those of the team
 - Understand the impact and implications of dealing with different corporate and global cultures
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Course Topics:

- Project Management Body of Knowledge (PMBOK) waterfall phases
 - Agile methods
 - Presentation strategies
 - Soft leadership skills
 - Project Management software packages
 - Project management terms and techniques
 - Presentations/Demonstrations
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Designation:

Required