DESCRIPTION:
This course is for upper level students in Engineering Technology. This course covers background, techniques and case studies in project management. The student will develop a fundamental understanding of the concepts for managing both small and large projects. This course is somewhat unique since in engineering technology project managers are not only managers but also extremely active members of the team. The development and nurturing of discussion, evaluation and presentation skills will be accomplished. Concentration will be focused on engineering technology project management, but will also involve project management in other fields in order to understand the differences as they relate to engineering technology.

CONTACT HOURS PER WEEK: 2 Lecture, 2 Lab hours per week.

REQUIREMENT: This is a required course in all Engineering Technology baccalaureate degree programs.

PREREQUISITE(S): ECO 201 or 202 or permission of instructor
CO-REQUISITE(S): STA 301 or permission of instructor.

COURSE COORDINATOR: Associate Professor Gary S. Drigel

ISBN -10 0470533021 Supplemental readings and Harvard Business Case (HBS) studies
Additional information is on the Niihka Site

COURSE OBJECTIVES
Upon Completion of this course, students will be able to:
(1) Define what projects are and how they are used in the industrial and manufacturing world.
(2) Demonstrate the tools and technology requirements for project management.
(3) Demonstrate the team concept for project operation and management.
(4) Demonstrate the process of finding and critically evaluating information in project management.

OUTCOMES ADDRESSED:
Outcome 11 “Effective team work skills”
Outcome 12 “Project management”
METHOD OF EVALUATION:
ENT Department Standard for awarding letter grades: Each faculty member will use the following percentage scale in assigning letter grades in their courses, with the following allowances:
- the end (or ends) of any range can be adjusted by 1 point (+/-)
- the assignment of the D- or F may deviate by a few points (2-3) from the values shown
- faculty may elect to not use +/- grades

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TOPICAL OUTLINE:
Introduction
Chapter 1 Projects in Contemporary Organizations
Chapter 2 Project Selection
Chapter 3 The Project Manager
Chapter 4 Conflict and Negotiation
Chapter 5 Project Organization
Chapter 6 Project Activity Planning
Chapter 7 Budgeting and Cost Estimation
Chapter 8 Scheduling
Chapter 9 Resource Allocation
Chapter 10 Monitoring and Information Systems
Chapter 11 Project Control
Chapter 12 Project Auditing
Group Project Presentations

METHOD OF PRESENTATION:
Course is delivered in traditional classroom lecture and lab sessions.

MIAMI UNIVERSITY LEARNING COMMUNITY
Miami University is committed to fostering a supportive learning environment for all students irrespective of individual differences in gender, race, national origin, religion, handicapping condition, sexual preference, or age. Students should expect, and help create, a learning environment free from all forms of prejudice. Disparaging comments, sexist or racist humor, or questioning the academic commitment of students based upon these individual differences are behaviors that undermine our learning community. If such behaviors occur in class, please seek the assistance of your instructor or department chair.

Prepared by: Gary S. Drigel 3/2013