Supervision of Projects in Engineering Technology

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OFFICE: Department of Engineering Technology-Discovery Park
         F115P :Monday and Wednesday From 1:00pm to 2pm by appointment

COURSE NUMBER, TITLE, CREDIT HOURS:

MSET 5050, 3 credit hours

DESCRIPTION:

Study of the planning, organization and management of successful technology projects. Topics include project management principles, communication with project owners, functional organizations, suppliers and clients, and tools for managing projects to reach quality outcomes.

COURSE LEARNING OBJECTIVES:

1- Demonstrate an understanding of principles, techniques, involved in supervising engineering technology projects

2- Demonstrate an understanding of Quality management principles as related to project supervision

COURSE LEARNING OUTCOMES

The course demonstrates that graduates have:

  e. an ability to identify, formulate and solve engineering problems.
  g. an ability to communicate effectively.
  j. a knowledge of contemporary issues

PREREQUISITES:

Graduate standing

TEXTBOOKS:

Project Management; Twelve Edition; 2017 by Harold Kerzner, John Wiley and sons, Inc.
COURSE OUTLINE:

This course outline is the core of what is covered in the course. Research Material added as appropriate by the course instructor.

1 Fundamentals of Project Management
2 Organizational Structures and staffing
3 Management Functions
4 Communications Management
5 Project Planning
6 Project Scheduling
7 Pricing and Estimating
8 Quality Management
9 Project Review
10 Continuous Improvement

GRADING ELEMENTS AND WEIGHTS:

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<tr>
<th>Element</th>
<th>Weight</th>
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<tbody>
<tr>
<td>Semester Exam (2)</td>
<td>20% each</td>
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<tr>
<td>Case studies</td>
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<tr>
<td>Semester Project</td>
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