



**MUTAH UNIVERSITY**  
**Faculty of Engineering**  
**Department of Electrical Engineering**

**Course Syllabus**

Course Code	Course Name	Credits	Contact Hours
0401581	Project Management	3	3 T

**INSTRUCTOR/COORDINATOR**

<b>Name</b>	Dr. Ziyad S. Almajali
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<b>Office Hours</b>	9:00-10:00 (Sun, Tues, Thurs )

**TEXTBOOK**

<b>Title</b>	An Introduction to Project Management
<b>Author/Year/Edition</b>	Kathy Schwalbe/2017/Sixth Edition
<b>Other Supplemental Materials</b>	
<b>Title</b>	Project Management: The Managerial Process.
<b>Author/Year/Edition</b>	Larson, E.W. & Gray, C.F./2017/7th edition. McGraw-Hill.

**SPECIFIC COURSE INFORMATION**

**A. Brief Description of the Content of the Course (Catalog Description)**

This course will cover basics of managing projects and apply them to Electrical Engineering real world projects. By the end of the course, students should be familiar with the concepts and tools necessary to plan and implement a project, as well as function as a member of a team. He will identify the engineering project phases and be able to Apply basic project management skills to project initiation, planning, team forming, managing time and resources, execution, monitoring and control of progress. Problem solving and use of project management and engineering skills.

**B. Pre-requisites (P) or Co-requisites (C)**

**C. Course Type (Required or Elective)**

Elective

**SPECIFIC GOALS**

**A. Course Learning Outcomes (CLOs)**

By the end of this course, the student should be able to:

**CLO 1:** Learn principles of project management and to be familiar with the concepts and tools necessary to plan and implement a project.[1]

**CLO 2:** Apply project management tools and processes to solve Electrical Engineering project problems. [1]

**CLO 3:** Apply basic project management skills to project initiation, planning, managing time and resources, execution and monitoring.

**CLO 4:** Emphasize and practice teamwork.[5]

**CLO 5:** Practice organizational, communication, technical writing and presentation skills.  
[1][3]

### B. Student Learning Outcomes (SLOs) Addressed by the Course

1	2	3	4	5	6	7
✓		✓		✓		

### BRIEF LIST OF TOPICS TO BE COVERED

List of Topics	No. of Weeks	Contact Hours
General Project Management	1	3
Project Management process and tools	2	6
Team Culture and project communications	1	3
Project Life Cycle Project Planning and scheduling Gantt Chart	2	6
Strategic issues in Project Management, risk and crisis management	2	6
Implementation, Integration and Test	2	6
Practical considerations in implementing Project Management in the Industry	1	3
Case studies in Electrical Engineering Project	1	3
Application of Project Management to Electrical Engineering Projects	1	3
Project Documentation and reporting	1	3
<b>Total</b>	<b>14</b>	<b>42</b>

### EVALUATION

Assessment Tool	Due Date	Weight (%)
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Mid Exam	According to the university calendar	30
Course Work (Homeworks, Quizzes, Projects, ... etc.)	One week after being assigned	20
Final Exam	According to the university calendar	50

<b>ABET's Students Learning Outcomes (Criterion # 3)</b>		
<b>Relationship to program outcomes</b>		
<b>ABET 1-7</b>	<b>Engineering Student Outcomes</b>	
1	√	an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2		an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3	√	an ability to communicate effectively with a range of audiences.
4		an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5	√	an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6		an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7		an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.