



Jordan University of Science and Technology
Faculty of Engineering
Industrial Engineering Department

IE545 Project Management

Second semester 2024

Course Catalog

3 Credit Hours. To learn the basics of Project management and its application to real world systems.

Text Book

Title	Project Management for Business and Engineering, Principles and Practice, John Nicholas
Author(s)	John Nicholas
Edition	3rd Edition
Short Name	PM for Buis. and Eng.
Other Information	

Instructor

Name	Eng. Maysa Al-shraideh
Office Location	M6- L0
Office Hours	
Email	mashraideh@just.edu.jo

Class Schedule & Room

Lecture Time: Mon_Wed: 1:00-2:30 pm

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1,2	Ch1: Introduction to Project Management(types of projects, scope or goal, constraints, creep, problem resolution)	
Weeks 3,4	Ch2: Planning Fundamentals(master plan& milestones, new or old project, project members, planning tools ie WBS, Gantt chart & responsibility matrix)	
Weeks 5,6	Ch3: Network Scheduling(AoA &AON, Dummy, CPM, multi CP, earliest & latest times, free and total slack, PDM)	
Weeks 7,8,9	CH4: PERT/CPM, Resource Allocation, cost crashing	
Weeks 10,11,12	Cost Estimating/Budgeting(cost and time variance(BCWS,ACWP, BCWP)	
Weeks13,14	Ms project software	

Mapping of Course Outcomes to Program Student Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Demonstrate the ability to seek knowledge, stay updated, and pursue further learning and training	60%	First, Second, Final
Apply learned techniques, tools, and skills to solve engineering problems.	40%	Second, Final

Relationship to Program Student Outcomes (Out of 100%)											
SLO-A	SLO-B	SLO-C	SLO-D	SLO-E	SLO-F	SLO-G	SLO-H	SLO-I	SLO-J	SLO-K	SLO-L

Evaluation

Assessment Tool	Weight
First Exam	15%
Second exam	35%
Project	10%
Final	40%

Policy	
Attendance	Attendance will be checked at the beginning of each class. University regulations will be strictly followed for students exceeding the maximum number of absences, which is 20% of the total course's hours. No make-up test will be given without an official university-approved excuse.
Student Conduct	It is the responsibility of each student to adhere to the principles of academic integrity. Academic integrity means that a student is honest with him/herself, fellow students, instructors, and the University in matters concerning his or her educational endeavors. Cheating will not be tolerated in this course. University regulations will be pursued and enforced on any cheating student.