
Course:	Advanced project management
Prerequisites by Course:	Engineering economy and project management
Prerequisites by Topic:	Students are supposed to have an enough knowledge in regard of Engineering management: networking and critical path.
Textbook:	1- Project management body of knowledge Third Edition
References:	1- Advanced Project Management
Course Website:	Muhammad.albtoosh@iu.edu.jo
Schedule & Duration:	16 Weeks, 16 lectures, 150 minutes each (including exams).
Minimum Student Material:	Textbook, class handouts, some instructor keynotes.
Minimum College Facilities:	Classroom with whiteboard and projection display facilities, library.
Course Objectives:	The objectives of this course are: <ul style="list-style-type: none">• Identify project team roles and method of project conflict resolution Plan and estimate percent complete for schedule and budget management Identify methods for schedule
Course Outcomes and Relation to ABET Program Outcomes:	By the end of the course, a student should be able to: Identify methods for budget and scheduling estimates.
Course Topics:	<ol style="list-style-type: none">1. BUDGET MANAGEMENT2. RESOURCE PLANNING3. SCHEDULE MANAGEMENT
Computer Usage:	
Attendance:	Class attendance will be taken every class and the university polices will be enforced in this regard.
Assessments:	Quizzes, homework's, paper and Exams

Grading policy: Midterm exam 25%
Participation, Quizzes, Homework 25%
Paper 30%
Final exam 20%

Instructors: Dr. Eng. Muhammad A. Al-Btoush
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Office Hours: S, M, T, W, Th. (11:00 – 12:00) & A.M (12:00-1:00) P.M

Class Time and Location: M. 4:00 – 7:00 A.M Classroom (4342)

Program Outcomes (PO)

1	An in-depth understanding of specialized theories in engineering project Management
2	Project planning, monitoring and risk management
3	Classification of Engineering and management techniques for implementing engineering Projects
4	Creativity and innovation in engineering project management.
5	Taking appropriate engineering, economic and administrative decisions
6	Conducting and publishing scientific research.
7	Solve problems and work in a team spirit
8	Effective Communication and connection
9	Commitment to Ethical rules and behaviours

Last Updated:11-2022