
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:	<p>The objectives of this course are:</p> <ul style="list-style-type: none">• Identify project team roles and method of project conflict resolution <p>Plan and estimate percent complete for schedule and budget management</p> <p>Identify methods for schedule</p>
Course Outcomes and Relation to ABET Program Outcomes:	<p>By the end of the course, a student should be able to:</p> <p>Identify methods for budget and scheduling estimates.</p>
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