



University of Tehran
School of Electrical and Computer Engineering

Course:	8101672 – Information Technology Project Management									
Course type:	EE*						CE*			Credit: ...
	Com	E	P	B	Con	D	SW	HW	IT	
	Required	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Elective	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Level:	Undergraduate <input checked="" type="checkbox"/> Graduate <input type="checkbox"/>									
Co-requisite(s):	None.									
Prerequisite(s):	8101674									
Prerequisite by topic:										
Textbook(s):	[1] K. Schwalbe, “ <i>Information Technology Project Management</i> ”, Revised 8 th edition, Cengage, 2016 [2] D. Canty, “ <i>Agile for Project Managers</i> ”, CRC Press, 2015 [3] Bob Hughes, “ <i>Project Management for IT-Related Project</i> ”, 2 nd edition, BCS, 2012									
Coordinator:										
Goals:	<ul style="list-style-type: none"> • Understanding and applying project management methodologies, techniques and tools; • Understanding and applying major phases of the project management life cycle; • Identifying and validating project goals and requirements; • Developing and maintaining workable IT project plans; • Understanding and applying project execution activities and processes; • Understanding the concepts of the agile project management; • Understanding the role of project manager; • Terminating a project with an effective close-out strategy; • Applying project management concepts by working on a group project as team leader or active team member; • Critique and learn from real-world project management cases; • Demonstrating competence in giving oral presentations; • Using Microsoft Project 2016 to help plan and control a project. 									
Outcome:	Upon successful completion of the course, students will be able <ol style="list-style-type: none"> 1. Demonstrate knowledge of project management concepts, methodologies and techniques; 2. Actively participate as a manager or member of an Information Technology Project. 									

Topics:	<ol style="list-style-type: none"> 1. Introduction to Project Management 2. The Project Management and Information Technology Context 3. The Project Management Process Groups 4. Project Integration Management 5. Project Scope Management 6. Project Time Management 7. Project Cost Management 8. Project Quality Management 9. Project Human Resource Management 10. Project Communications Management 11. Project Risk Management 12. Project Knowledge Management 13. Project Stakeholder Management 14. Agile Project Management Concepts 15. Project Management for setting up new start-up businesses 												
Computer usage:	<ul style="list-style-type: none"> • Microsoft Project 2016 • Microsoft Office 2016 												
Assignments:	<p>Identifying the related 10 section area of IT projects Analysis the signified case study Group research on course topics</p>												
Projects:	Defining, Planning and presenting an IT project with related processes												
Grading:	<table style="width: 100%; border-collapse: collapse;"> <tr> <td>Assignments (Homework/ Case Studies/ In-Class Activities):</td> <td style="text-align: right;">25 %</td> </tr> <tr> <td>Projects:</td> <td style="text-align: right;">35 %</td> </tr> <tr> <td>Quizzes:</td> <td style="text-align: right;">0 %</td> </tr> <tr> <td>Midterm exams:</td> <td style="text-align: right;">0 %</td> </tr> <tr> <td>Final exam:</td> <td style="text-align: right;">35 %</td> </tr> <tr> <td>Class Attendance and Participation</td> <td style="text-align: right;">5%</td> </tr> </table>	Assignments (Homework/ Case Studies/ In-Class Activities):	25 %	Projects:	35 %	Quizzes:	0 %	Midterm exams:	0 %	Final exam:	35 %	Class Attendance and Participation	5%
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Further readings:	<p>[1] “<i>A Guide to Project Management Body of Knowledge (PMBOK)</i>”, 6th edition, PMI, 2017</p> <p>[2] C. Chatfield, T. Johnson, “Microsoft Project 2016- Step by Step”, Microsoft Press, 2016</p> <p>[۳] مولانا پور رامین، حبیبی پور فرزاد، «مدیریت و کنترل پروژه‌های فناوری اطلاعات»، دانشگاه پیام نور، ۱۳۹۱</p> <p>[۴] آسوشه عباس، خاکشور پریسا، رضانی نغمه، نصیری یار مجتبی، «مدیریت پروژه‌های فناوری اطلاعات، سرویس‌گرا- دانش محور»، شرکت روابط عمومی و تبلیغات هفت تبلیغ،</p>												
Prepared by:	Seyed Alireza Motevallian												
Date:	Dec. 24. 2017												

*EE: Electrical Engineering		CE: Computer Engineering	
Com	Communications	SW	Software
E	Electronics	HW	Hardware
P	Power	IT	Information Technology
B	Bioelectronics		
Con	Control		
D	Digital System		