

Course unit title:	Project Management for Engineers		
Course unit code:	ME417		
Type of course unit:	Technical Elective		
Level of course unit:	Bachelor (1st Cycle)		
Year of study:	3 or 4		
Semester when the unit is delivered:	Fall		
Number of ECTS credits allocated :	6		
Name of lecturer(s):	Professor Eleni Hadjiconstantinou		
Learning outcomes of the course unit:	<p>This course aims to provide students with a sound understanding and knowledge of the basic concepts and analytical skills underpinning the effective planning, scheduling and management of engineering projects.</p> <p>Upon completion of the course, students will be able to apply basic tools and techniques of project management in practice to:</p> <ol style="list-style-type: none"> 1. Construct a comprehensive project schedule 2. Evaluate a project plan subject to time, cost and resource constraints. 		
Mode of delivery:	Face-to-face		
Prerequisites:	None	Co-requisites:	None
Recommended optional program components:	None		
Course contents:	<ul style="list-style-type: none"> o Meaning and scope of projects and project management o Project types and characteristics o Project life-cycle o Key roles & responsibilities: The Project Manager, the Sponsor & the User o Early project definition and Work Breakdown Structures (WBS) o Gantt charts and project network logic diagrams o The application of Critical Path Method (CPM) o Multiple dependency networks o Project time-cost trade-offs o Project planning under uncertainty o Resource allocation and scheduling 		
Recommended and/or required reading:			
Textbooks:	<ol style="list-style-type: none"> 1. Lockyer K. and Gordon J., Project management and project network techniques, Financial Times Prentice Hall, 7th edition, 2005, ISBN 0-273-69378-6. 2. Burke R., Project management: planning and control techniques, John Wiley & Sons, 4th edition, 2003, ISBN 0470851244. 3. Kerzner H., Project management: A systems approach to planning, scheduling and controlling, John Wiley & Sons, 10th edition, 2009, ISBN 978-0-470-27870-3. 4. Gray C.E. and Larson E.W., Project management: the managerial process, McGraw- Hill, edition 4e, 2007. 5. Meredith J.R. and Jr. Mantel S.J., Project management: a managerial approach, John Wiley & Sons, 5th edition, 2003, ISBN 0-471-07323-7. 		
References:			
Planned learning activities and teaching methods:	<ul style="list-style-type: none"> • The course is delivered through 3-hour lectures per week. • Tutorial questions will be handed out, where appropriate, to consolidate knowledge in the analytic skills developed. 		

	<ul style="list-style-type: none"> The course material will be available on the university's e-learning platform. 						
Assessment methods and criteria:	<table> <tr> <td>In-class Test</td> <td>20%</td> </tr> <tr> <td>Project Assignment</td> <td>20%</td> </tr> <tr> <td>Final Exam</td> <td>60%</td> </tr> </table>	In-class Test	20%	Project Assignment	20%	Final Exam	60%
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Language of instruction:	English						
Work placement(s):	No						