

<b>Course Unit Title:</b>	Project Management and Managing H&S Risks in Capital Projects
<b>Course Unit Code:</b>	MSH622
<b>Type of Course Unit: (Compulsory/Optional)</b>	Compulsory
<b>Level of Course Unit: (first, second or third cycle)</b>	Master (2 <sup>nd</sup> Cycle)
<b>Year of Study:</b>	1
<b>Semester when the unit is delivered:</b>	1
<b>Number of ECTS credits allocated:</b>	7
<b>Name of lecturer(s):</b>	TBA
<b>Learning Outcomes of the course unit:</b>	
<p>Upon successful completion of this course students should be able to:</p> <ul style="list-style-type: none"> <li>• Define project management and describe the major tasks duties and responsibilities of the project manager</li> <li>• Discuss the strategic importance of capital projects, through cases studies and real business scenarios</li> <li>• Define, plan and organize resources associated with capital projects which entail significant H&amp;S risks</li> <li>• Identify, plan and organize the sequencing and timetabling for necessary H&amp;S risk assessments within the overall project.</li> <li>• Apply appropriate techniques such as logic and sequence diagrams, Gantt Charts and slip charts and proceed with all the necessary steps for project control and assessment</li> <li>• Monitor projects effectively and any associated risks and managerial issues pertaining the projects.</li> </ul>	
<b>Mode of Delivery:</b>	Face- to- face
<b>Prerequisites and co-requisites:</b>	MSH612
<b>Recommended optional program components:</b>	None

**Course Contents:****Objective:**

The course is designed to help students appreciate the issues and methodologies involved in managing major projects, by drawing on a wide range of practical experience in project management. Students will be exposed to practical project management techniques and tools.

**Description:**

Project-based management is becoming the new general management tool in the contemporary business world since nearly all managers are involved in projects. The course presents a systematic approach to managing projects, in overall terms that will benefit the student in their day-to-day work as well as in terms of the specific H&S life-cycle requirements for capital projects such as civil engineering and construction projects, the design, fabrication, hook-up and commissioning of onshore and offshore oil and gas installations etc. Topics covered include: project definition, managing time and cost in projects, project organization, resources in projects, managing quality in projects, project initiation and close-out, design safety, H&S risk assessments of as designed/as built progress, special H&S risk evaluations for ALARP criteria e.g. HAZOPS, FTAs, FMECAs, risk management, performance and evaluation.

Introduction to Project Management , Modern Project Management,

Organization Strategies and Project Selection Organization: Structure, Processes and Culture.

Project Organization. Defining the Project. Selecting the Project Manager and Team. Defining the scope and Objectives, planning the project format. Defining the work break down structure.

Diagramming the network, Developing the Schedule, Estimating Project Times and Costs, Developing a Project Plan, Managing Risk, Scheduling Resources, Reducing Project Duration. Project Implementation, Project Control and assessment, Risk and Issue management

Leadership: Being an Effective Project Manager, Managing Project Teams

Progresses and Performance Measurement and Evaluation

Project Audit and Closure

<b>Required or Recommended Reading:</b>	<p>Clifford Gray and Erik Larson, Project Management: The Managerial Process, 5<sup>th</sup> edition, McGraw Hill, 2010, (ISBN 9780073403342)</p> <p>David Olson, Introduction to Project Management: A Systems Approach with CD-Rom, McGraw Hill, 2006, (ISBN 0071232613)</p> <p>Alan Webb, The Project Manager's Guide to Handling Risk, Gower Publishing, 2003, (ISBN 9780566085712)</p> <p>Alan Webb, Project Management for Successful Product Innovation, Gower Publishing, 2000, (ISBN 9780566082627)</p> <p>John Chicken, Managing Risks and Decisions in Major Projects, Chapman &amp; Hall (Thomson/Cengage), 1994, (ISBN 9780412587306)</p>								
<b>Planned learning activities and teaching methods:</b>	<table border="0"> <tr> <td data-bbox="618 884 841 947">Class Instruction</td> <td data-bbox="1036 884 1273 915" style="border: 1px solid black; text-align: center;">42 Hours</td> </tr> <tr> <td data-bbox="618 915 841 947">Consultation</td> <td data-bbox="1036 915 1273 947" style="border: 1px solid black; text-align: center;">5-15 Hours</td> </tr> </table>	Class Instruction	42 Hours	Consultation	5-15 Hours				
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Consultation	5-15 Hours								
<b>Assessment methods and criteria:</b>	<table border="0"> <tr> <td data-bbox="618 1066 813 1098">Examinations</td> <td data-bbox="1081 1066 1318 1098" style="border: 1px solid black; text-align: center;">50%</td> </tr> <tr> <td data-bbox="618 1098 878 1129">Class Participation</td> <td data-bbox="1081 1098 1318 1129" style="border: 1px solid black; text-align: center;">10%</td> </tr> <tr> <td data-bbox="618 1129 732 1161">Project</td> <td data-bbox="1081 1129 1318 1161" style="border: 1px solid black; text-align: center;">40%</td> </tr> <tr> <td></td> <td data-bbox="1081 1161 1318 1192" style="border: 1px solid black; text-align: center;">100%</td> </tr> </table>	Examinations	50%	Class Participation	10%	Project	40%		100%
Examinations	50%								
Class Participation	10%								
Project	40%								
	100%								
<b>Language of Instruction:</b>	English								
<b>Work Placement(s):</b>	None								
<b>Place of Teaching:</b>	Regular Classroom European University Cyprus, Nicosia								