Course Title	Project Management				
Course Code	OSH625				
Course Type	Optional				
Level	Master (2nd Cycle)				
Year / Semester	1st year/ 2nd semester				
Teacher's Name	TBA				
ECTS	10	Lectures / week	3 hours / 14 weeks	Laboratories / week	N/A
Course Purpose and Objectives	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. Particular emphasis in highlighting the role of OSH as an integral part of project management will be paid to.				
Learning Outcomes	Upon successful completion of this course students should be able to: Define basic management theories as an important element of running any project Define project management and describe the major tasks duties and responsibilities of the project manager Integrate OSH management as a key priority of Human Resource Management in any organization Discuss the strategic importance of capital projects, through cases studies and real business scenarios Discuss the elements of organizational design and discuss how they are related Define, plan and organize resources associated with capital projects which entail significant H&S risks Identify, plan and organize the sequencing and timetabling for necessary H&S risk assessments within the overall project; explain business metrics and discuss their importance in organizational design				

	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 Monitor projects effectively and any associated risks and managerial issues pertaining the projects		
Prerequisites	None	Required	None
Course Content	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 Management: managing troubled personnel, the importance of OSH in setting a proactive work-life balance in the workplace Managing work-sites: the importance of legislation, safe and efficient use of Personal Protective Equipment Progresses and Performance Measurement and Evaluation Project Audit, Safety Management System (SMS) Audit and Closure Progresses and Performance Measurement and Evaluation Project Audit and Closure		

<table>
<tr><td>Teaching Methodology</td><td>Face-to-face</td></tr>
<tr><td>Bibliography</td><td>Required Reading(s):

Clifford Gray and Erik Larson, Project Management: The Managerial Process, Latest Edition, McGraw Hill, (ISBN 9780073403342)

Recommended Reading(s) :

Nigel J. Smith, Tony Merna, Paul Jobling, Managing Risk in Construction Projects, Wiley-Blackwell; Latest Edition, (ISBN 1118347234)</td></tr>
<tr><td>Assessment</td><td><table><tr><td>Examinations</td><td>60%</td></tr><tr><td>Class Participation and Attendance</td><td>10%</td></tr><tr><td>Project</td><td>30%</td></tr><tr><td></td><td>100%</td></tr></table></td></tr>
<tr><td>Language</td><td>English</td></tr>
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