

<b>Project Planning and Assessment Module</b>				
Course Title	<b>PROJECT PLANNING AND MANAGEMENT</b>			
Course Code	WREI5192			
Degree Program	B.Sc. in Water Resources and Irrigation Engineering			
Module Name	Project Planning and Assessment			
Module Coordinator	Name: . . . . . Office location . . . . . Mobile: . . . . .; e-mail: . . . . . Consultation Hours:			
Lecturer	Name: . . . . . Office location . . . . . Mobile: . . . . .; e-mail: . . . . . Consultation Hours:			
<b>Course Information</b>	Academic Year Year: <b>V</b> Semester : <b>II</b> Meeting Day: To be arranged at the beginning of the semester  Meeting Time: To be arranged at the beginning of the semester  Meeting Location: To be arranged at the beginning of the semester			
ECTS	<b>3ECTS</b>			
Weekly Contact Hours/ Students work load	Lecture <b>2</b>	Tutorial <b>0</b>	Practice or Laboratory <b>0</b>	Home study <b>3</b>
Course Objectives & Competences to be Acquired	<ul style="list-style-type: none"> <li>• The objective of this course is to introduce Projects and Programs their Management, Phases and life cycle.</li> <li>• At the end the trainee be able to identify possible Project and plan them according to the requirement of the different stakeholders and the environment.</li> </ul>			
Course Description	<ul style="list-style-type: none"> <li>• Introduction to Projects Planning and managements: Definition of basic terminologies, characteristics of a project.</li> <li>• Project analysis: Baseline information, problem analysis (water resources project feasibility study water resources project, stakeholder analysis and problem tree), objective analysis (objective tree), strategic analysis, and project design and analysis.</li> <li>• Project Planning: Rationale for planning, principles of planning, Types of planning, Participatory planning components of project cycle.</li> <li>• Project execution and management: building deliverables, establishment and staffing of project management structures, time management, cost management, resources management, management quality risk management.</li> <li>• Project review and evaluation: Review indicators review implementation procedures, evaluation criteria evaluation in terms of cost, activity results, project purpose and over all objectives and project closure.</li> <li>• Project Phases and Project life cycle: Project Processes, Project Cycle Management. Concept of monitoring and evaluation: key</li> </ul>			

	terms and Definitions: Manageable interest, Project Goal, Objective/Purpose, Outputs, Indicators, Activities, inputs, Assumptions. Types and Purposes of monitoring and evaluation, The monitoring and Evaluation framework.	
Pre-requisites	Nil	
Semester	II	
Status of Course	Core	
<b>Schedule/Syllabus</b>		
<b>Week</b>	<b>Topics</b>	<b>Teaching materials</b>
	<b>Chapter One</b> <b>1. Introduction</b> 1.1. Definition and Basic terminologies 1.2. Characteristics of a project.	
	<b>Chapter Two</b> <b>2. Project analysis</b> 2.1. Baseline information 2.2. Problem analysis (water resources project feasibility study) 2.3. Stakeholder analysis 2.4. Objective analysis (objective tree) 2.5. Strategic analysis 2.6. Project design and analysis.	
	<b>Chapter Three</b> <b>3. Project Planning</b> 3.1. Rationale for planning 3.2. Principles of planning 3.3. Types of planning 3.4. Participatory planning components of project cycle	
	<b>Chapter Four</b> <b>4. Project execution and management</b> 4.1. Building deliverables 4.2. Establishment and staffing of project management structures 4.3. Time, cost, resources and risk management 4.4. Management quality	

	<p><b>Chapter Five: (Lec=)</b></p> <p><b>5. Project Review and Evaluation</b></p> <p>5.1. Review indicators review implementation procedures,</p> <p>5.2. Evaluation criteria evaluation in terms of cost, activity results,</p> <p>5.3. Project purpose and over all objectives</p> <p>5.4. Project closure.</p>	
	<p><b>Chapter Six</b></p> <p><b>6. Project Phases and Project life cycle</b></p> <p>6.1. Project Processes and Project Cycle Management.</p> <p>6.2. Concept of monitoring and evaluation</p> <p>6.3. Types and Purposes of monitoring and evaluation</p> <p>6.4. The monitoring and Evaluation framework.</p>	
Teaching & Learning Methods	Lectures, tutorials, lab exercises	
Assessment	Continuous Assessment = 50% Final Exam = 50%	
Course Expectation	<p><b>Preparedness and participation:</b> both students and the teacher should be prepared since education is an interactive process. Students should be active participants in the teaching-learning process. They should be interested to the course and come to class with the necessary materials such as exercise books and pen. In addition, they should to take responsibility in their education.</p> <p>Teachers are also expected be prepared and interested to the course, which they are offering. They have to consult the essential materials ahead of time and try share their knowledge in an efficient and effective manner.</p> <p><b>Material availability:</b> reference materials are expected to be available in the library nearest to respective faculties.</p>	
Policy	<p><b>Attendance:</b> students should attend at least 85%</p> <p><b>Assignments:</b> all students must do all the assignments given</p> <p><b>Tests/quizzes:</b> all students must site/take all tests/quizzes given</p> <p><b>Cheating/plagiarism:</b> cheating/plagiarism is strictly forbidden. It will result in disqualification of the course.</p>	

## References

- Project Management for Engineering & Construction, 2nd Edition Oberlendera Gorold DBoston 2000
- Engineering Project Management, Lyer New Delhi 2001
- Engineering Economics Analysis for Evaluation of Alternatives Klenfield, Ira. H New York 1993
- Global project management handbook. Planning organizing and controlling international project, Cleland D.I. and Gareis R. (eds), 2006.
- Project management, A systems approach to planning scheduling and controlling KerzenerH., 2009 10<sup>th</sup> edition.
- Phase project management, A practical planning and implementation guide, Weiss J. W. and Wysocki R. 1992.