

Project Planning and Assessment Module				
Course Title	ENVIRONMENTAL IMPACT ASSESSMENT			
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:			
Course Information	Academic Year Year: V Semester : II 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	3ECTS			
Weekly Contact Hours/Students Work Load	Lecture 2	Tutorial 0	Practice or Laboratory 0	Home study 3
Course Objectives & Competences to be Acquired	<ul style="list-style-type: none"> The objective of the course is to present the philosophy and methodology used to assess environmental impacts of water resources development and to present methods to integrate the EIA and water resources planning processes. At the end of the course students will be able to know the basic concepts of environment, the need for environmental assessment, EIA process, identify major impacts of water related projects, and review EIA report. 			
Course Description	<ul style="list-style-type: none"> Environment and sustainable development Policy, Social, Institutional, and legal context of EIA EIA Process Impacts of water related projects ,EIA report: Environmental Impact statement Preparation of Terms of Reference 			
Pre-requisites	Dam Engineering II, Drainage Engineering II, and Irrigation Structures II			
Semester	II			
Status of Course	Core			
Schedule/Syllabus				
Week	Topics			Teaching materials
	Chapter One 1. Environment and sustainable development			
	Chapter Two			

	2. EIA Process Impacts of water related projects	
	Chapter Three 3. Environmental Impact statement	
	Chapter Four 4. Preparation of Terms of Reference	
Teaching & Learning Methods	Lectures, Assignments and case studies	
Assessment	Continuous Assessment,50%, Final exam ,50%	
Course Expectation	<p>Preparedness and participation: 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. 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>Material availability: reference materials are expected to be available in the library nearest to respective faculties.</p>	
Policy	<p>Attendance: students should attend at least 85%</p> <p>Assignments: all students must do all the assignments given</p> <p>Tests/quizzes: all students must site/take all tests/quizzes given</p> <p>Cheating/plagiarism: cheating/plagiarism is strictly forbidden. It will result in disqualification of the course.</p>	
References	<ul style="list-style-type: none"> • Environmental Engineering Mackenziel Davis New York, 2008 • Environmental Engineering ,N.N. Basak, London 2007 • Principles of Environmental Engineering and Sciences, Davis Boston, 2004. • Environmental Sciences and Engineering, Heinke America, 1996. • Environmental Engineering, Weiner Boston 2003 • Environmental Impact Assessment: Annex Part-III Petry B.Morgan Environmental impact Assessment. A methodological perspective. Great Britain Therrivel, R and Morris, P (2001). • Methods of Environmental Impact Assessment. Petts, J 2nd ed. Spon press. Great Britain (1999). • Water Engineering Development and Disease in the Tropics Mcsunkin Frederick Eugne Washington 1975 	