



Course number		Course title : Environmental Assessment and expertise in the economy of water	
Number of weeks:	Contact hours:	Learning hours: 40 hours	
Pre-requisites: Hydrology, Economics, Land Use Planning		Credits : 4	
Course coordinator Denise Galvin		Lecturers : Denise Galvin Teresa Torregrosa	
Course description : By the end of the course students will have knowledge of how to apply EIA as a component of River Basin Planning, the various economic tools applied to determine the value of human life, as well as environmental goods and services, and the limitations of EIA as an economic tool when it is applied to value the environment. In addition, students will be equipped to access the relative global, trans-national, national, regional and local instruments that underpin the IWRM model and that are applied to determine the economic value of water and the various roles it plays at river basin level i.e, environmental flows, supply and demand, waste and treatment, recycling. etc			
Syllabus: 1. Introduction to EIA 2. EIA and Public Participation 3. Risk Assessment 4. EIA and the economic value of human life 5. EIA and the economic value of the environment 6. Water as a natural resource 7. Water management: Integrated Water Resource Management model (IWRM) 8. Integration of EIA and IWRM			
Learning outcomes: 1. Students will gain a basic understanding of the process of EIA, how to locate the various global treaties and other legislative requirements that relate to the process, the role of public participation, economic tools and methodologies used in EIA and how to integrate the EIA process into IWRM. 2. Students will understand the role of the IWRM model, how IWRM directs River Basin Planning and how to locate legislative requirements related to the economic value of water.			
Assessment: Class participation 20%, Case Study 60%, Exam 20%			



Recommended texts and other learning resources:

Hanley, N., Schogren, J. & White, B., 2007 Environmental Economics In Theory & Practice, Second Edition, Palgrave MacMillan

Videira, N., Antunes, P., Santos, R. & Gonçalo, L., Public and stakeholder participation in European water policy: a critical review of project evaluation processes, in European Environment Volume 16, Issue 1, pp. 19–31, January/February 2006

European Commission Environmental Assessment,
<http://ec.europa.eu/environment/eia/home.htm>

Aarhus Convention, <http://www.unece.org/env/welcome.html>

EIA and IWRM,
<http://www.eflownet.org/viewinfo.cfm?linkcategoryid=4&linkid=14&siteid=1&FuseAction=display>

UNESCO- IHP (2009) *IWRM Guidelines at River Basin Level*.
Global Water Partnership GWP (2009) *Handbook for IWRM at basin Level*
Global Water Partnership GWP (2003) *IWRM ToolBox*