

Semester:	4		
Course Code:	ENCM 31702		
Course Name:	Environmental Impact Assessment		
Credit Value:	2		
Status:	Compulsory		
Pre-requisites:	ENCM 21752		
Co-requisites:	None		
Hourly Breakdown:	Theory	Practical	Independent Learning
	28	06	66
Intended Learning Outcomes:			
After completion of this course unit, the student will be able to;			
<ol style="list-style-type: none"> 1. explain principles and legal framework for Initial Environmental Examination (IEE) / Environmental Impact Assessment (EIA) in Sri Lanka, 2. describe legal provisions for environmental quality standards and Environmental Protection License scheme (EPL), 3. describe and discuss IEE/EIA process, 4. demonstrate competencies in planning and executing IEE/EIA process, and 5. explain the Strategic Environmental Assessment process. 			
Course Content:			
Principles, purpose, and history of IEE/EIA, legal Provisions for IEE/EIA in Sri Lanka, Provisions for environmental quality standards and Environmental Protection License (EPL), IEE/EIA procedure according to National Environmental Act, Screening, scoping, IEE/EIA preparation, evaluation and decision-making. Methods used in IEE/EIA: expert opinion, impact checklists, environmental matrices, network methods, simulation models and overlays. Identification, prediction and assessment of impacts, Quantification of environmental impacts, Extended Cost Benefit Analysis (ECBA), importance and liaise on with stakeholders in EIA, Public participation in EIA, Principles and types of EIA related monitoring, Environmental monitoring plans, Environmental management plans, Gaps in EIA system, Improvements of effectiveness in EIA. Introduction to Strategic Environmental Assessment (SEA), field study visit to a development project approved under IEE/EIA and a visit to Central Environmental Authority review selected EIAs.			
Teaching /Learning Methods:			
A combination of interactive teaching sessions, field studies, computer based learning, self-studies, field based assignments and small group discussions.			
Assessment Strategy: Continuous assessment and end of semester examination. Percentage given for each sub-component indicates the percent contribution to the final marks.			
Continuous Assessment 30 %		Final Assessment 70 %	
Details:		Theory	Practical
Quizzes	5	70	-
Assignments	15		-
Practical reports	10		

Recommended Readings:

1. CEA (2006). Guidance for Implementing the Environmental Impact Assessment (EIA) Process No. 1 A General Guide for Project Approving Agencies (PAA)
2. CEA (2006). Guidance for Implementing the EIA Process No. 2 - A General Guide for Conducting Environmental Scoping.
3. Glasson, J., R. Therivel & A. Chadwick (2005). Introduction to Environmental Impact Assessment (3rd Ed), Rutledge, Taylor and Francis Group.
4. Hennayake, S. K. (Ed). (1997). Environmental Impact Assessment: The Sri Lankan Experience, Centre for Environmental Studies, University of Peradeniya, Peradeniya.
5. Morris, P. & R. Therivel (Ed). (2009). Methods of Environmental Impact Assessment (3rd Ed), Rutledge, Taylor and Francis Group.
6. Zubair, L. (2001). EIA procedure: Challenges for Environmental Impact Assessment in Sri Lanka. Environmental Impact Assessment Review. 21:469-478.
7. EIA reports of selected development projects.
8. CEA Report: Handbook on strategic Environmental Assessment (SEA). www.cea.lk/web/images/pdf/SEAGuideline.pdf.
9. Vanclay, F. & A. M. Esteves (2015). Social Impact Assessment: Assessing and managing the social impacts assessment in projects, IAIA – International Association of Impact Assessment.