

Lecture Plan
Department of Planning, School of Planning and Architecture, Vijayawada

Name of Course: Environmental Impact Assessments Techniques (MPEP304)

Programme & Sem: **Master of Environmental Planning & Management (PG), Semester Three**
Course Duration: July 16 to Nov 14, 2018

Course Coordinator: Vamsi Deepak TSV., Assistant Prof., Dept. of Planning
Number of Credits: 03
Total Periods/Week: 03 (See Time Table for details)
Internal Assessment 50 (minimum pass marks 50%)
End Evaluation 50 (minimum pass marks 50%) – Written Exam.
Total Marks 100 (to be converted to CGPA credit pattern as per regulations)

Subject Objective: To introduce a theoretical base for application of environmental impact assessment in development Planning.

Week	Lecture / Session Topic (Teaching-Learning Objective aimed)	Session Mode (Optional)	References / Suggested Readings
Week 1 (July 16-20)	Need for EIA : What constitutes 'environment' and 'environmental impact'; understanding 'impact' within the context of environment; EIA and its relation with planning practise.	Orientation & Lecture	1. Glasson J., Therivel R. and Chadwick A. (2005) "Introduction to Environmental Impact Assessments – 3 rd Edition", Routledge. London. (Chapter 1) (BOOK)
Week 2 (July 23-27)	Nature & Purpose of environmental impact assessment; Understanding varying typologies of impacts and varying perspectives of stakeholders in large projects; Current issues in environmental impact assessment.	Lecture, and Interactive Session – Role Playing - Ref 1, 2	2. Richard K. Morgan, (2002) "Environmental impact assessment - A Methodological Perspective". Kluwer Academic Publishers, Boston. (BOOK)
Week 3 (July 30-Aug 03)	Origin and Development of EIA in global context; Legislative context of EIA in India; the process of general EIA – key 6 theoretical steps; Steps as entailed in the MoEF Notification - Govt of India.	Lecture. 1) Ref 1, 3, 4	3. Sachithanandan A. N. "EIA – Associateship Examination Reader Volume", ITPI
Week 4 (Aug 06 - 11)	Screening of Projects for EIA in Indian context; Process Flow of EIA; Guidelines and Terms of Reference for EIA. Baseline preparation for Impact identification;	Lecture. 1) Ref 1 (Chapter 4), 3, 4	4. Ministry of Environment and Forests (2012), Terms Of Reference [ToR] For EIA Report. Govt of India, Delhi.
Week 5 (Aug 13 -17)	EIA methods – Check List Methods, Matrices Methods, Network Methods etc.	Lecture. 1) Ref 1, 3	5. Environmental Impact Assessment - Analyzing Benefits and Actions : https://www.youtube.com/watch?v=3fbEVytyJck
Week 6	Internal Assessment – 1 : Time bound Test		

Lecture Plan
Department of Planning, School of Planning and Architecture, Vijayawada

(Aug 20 - 24)			
Week 7 (Aug 27 - 31)	Impact Identification and prediction methods – Measurement of Impacts : Dimensions of prediction; Methods and models for prediction;	Lecture	<ol style="list-style-type: none"> 1. Morris P. and Therivel Riki, (2010) “Methods of EIA – 3rd Edition”. Routledge, London. (BOOK) 2. Glasson J., Therivel R. and Chadwick A. (2005) “Introduction to Environmental Impact Assessments – 3rd Edition”, Routledge. London. (Chapter 4) (BOOK) 3. Sachithanandan A. N. “EIA – Associateship Examination Reader Volume”, ITPI
Week 8 (Sept 01- 09)	Field Work for Planning & Design Studio		
Week 09 (Sept 10 - 14)	Concept of Social Impact Assessments : Types; Basic Steps; Prediction and Changes in Socio-economic Factors; Case Study	Lecture	<ol style="list-style-type: none"> 1. Chadwick A., (2010) “Socio economic impacts” in Morris P. and Therivel Riki, eds (2010) “Methods of EIA – 3rd Edition”. Routledge, London. (BOOK), Chapter 3
Week 10 (Sept 17 - 21)	Cost—benefit analysis and monetary valuation techniques; Scoring and weighting and multi-criteria methods.	Lecture	<p>Glasson J., Therivel R. and Chadwick A. (2005) “Introduction to Environmental Impact Assessments – 3rd Edition”, Routledge. London. (Chapter 4) (BOOK)</p>
Week 11 (Sept 24 - 28)	Internal Assessment – 2: Mid Sem Examination		
Week 12 (Oct 01 - 05)	Sector specific guidelines of EIA in India –	Group Interactive Session & Lecture.	<ol style="list-style-type: none"> 1. Ministry of Environment and Forests (2010), “Environmental Impact Assessment Guidance Manual for Building, Construction, Townships
Week 13 (Oct 08 - 12)	a) Townships,		
Week 14 (Oct 15 - 19)	b) Highways, c) Ports and Harbours, d) Mining, etc.		

Lecture Plan
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	Mode: Seminar by students followed by inputs by Faculty.		And Area Development Projects". Gol, Delhi. 2. Ministry of Environment and Forests (2010), "Environmental Impact Assessment Guidance Manual for Ports and Harbours". Govt of India, Delhi. And other manuals.
Week 15 (Oct 22 - 26)	Internal Assessment – 3 : Time bound Open Book Test		
Week 15 (Oct 29 - Nov 02)	People's participation in Environmental Impact Assessments; Strategic Environmental Assessment		1. UNDP (2006) "A Guide To Strategic Environmental Assessment". UNDP, NY. (BOOK) 2. Fischer B. T. (2007) "The Theory and Practice of SEA – Towards a more systematic approach" "SEA & Land Use Planning : An International Evaluation", Edited by Jones C. et. al. (2005).
Week 16 (Nov 05 – Nov 09)	Overall Revision of all Topics in EIA Techniques		
Nov 12 - 14	Finalisation & Display of Internal Assessment and Attendance (Cum. - 100%)		

Note:

1. Any other closed holidays as declared by SPAV shall supercede the above lecture plan. Holidays shown above may alter as per Notice from time to time.
2. Assessment Sessions may be re-scheduled, with prior intimation.
3. Reading lists provided is not exhaustive and is subject to addition – students are advised to follow progression of class to keep abreast of the new reading lists, if any.