

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

Name of Course: Elective: Environmental Impact Assessment (PLN4110)

Programme & Sem:	Bachelor of Planning (UG), Semester Seven
Course Duration:	Odd Semester 2023-24
Course Coordinator:	Rajeev R., Assistant Professor, Dept. of Planning (rajeevnair@spav.ac.in)
Number of Credits:	03
Subject Category:	Theory – Elective for IV Year B.Plan.
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 familiarize the tools and techniques of EIA.

Week	Lecture / Session Topic (Teaching-Learning Objective aimed)	Session Mode (Optional)
Week 1	Introduction: What constitutes 'environment'; Problems faced in Urban and Rural context; What is an 'environmental impact'; Need and Relevance; EIA and its relation with planning practise.	Orientation & Lecture
Week 2	Impacts (Understanding and Assessment) - Nature & Purpose of environmental impact assessment; Understanding 'impact' within the context of environment; Understanding varying typologies of impacts; Assessment of Impacts on Resources (Using Case Studies)	Lecture, and Interactive Session
Week 3	Stakeholders in large projects; Varying perspectives; Understanding PAFs and PDFs; Current issues in environmental impact assessment; Origin and Development of EIA in global and national context.	Lecture & Interactive – Role Playing
Week 4	Principles of EIA; 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. <i>(Cont. in Week 8)</i>	Lecture
Week 5	Internal Assessment – 1 : Assignment – Understanding from Sector specific guidelines	Presentation using Poster
Week 6 & 7	STUDIO FIELD VISIT	--
Week 8	Portions continued from Week 4 and Revisiting the EIA process.	Lecture
Week 9	Mid-term Assessment	Written Assessment
Week 10	Classification of Screening of Projects for EIA in Indian context; Process Flow of EIA.	Lecture
Week 11	Importance of Scoping and Screening; Guidelines and Terms of Reference for EIA. Baseline preparation for Impact identification.	Lecture
Week 12	Role of Public Participation at various levels of decision making; EIA methods – Introduction and Advantages & Limitations of methods.	Lecture
Week 13	PRA Techniques – Definition and Concepts; SEA- Evolution, Need and Relevance	Special Lecture

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Week 14	Internal Assessment – 3 : Sector specific EIA Case Studies in India to be undertaken by student groups– Individual/Group Presentations of Case Study (5-7 minutes per student/group followed by discussion) a) Townships, b) Highways, c) Ports and Harbours, d) Power projects e) Mining, etc. Mode: Seminar by students followed by inputs by Faculty.	Presentation, Interactive Session & Case Study Discussion.
Week 15		
Week 16	Strategic Planning Interventions to reduce Environmental Impacts at various levels of Spatial Planning; Effects of policies at global and national level to reduce impacts.	Discussion from previous lectures and assessments

Suggested Readings/ References from Library:

- 1) Glasson J., Therivel R. and Chadwick A. (2005) "Introduction to Environmental Impact Assessments – 3rd Edition", Routledge. London.
- 2) Richard K. Morgan, (2002) "Environmental impact assessment - A Methodological Perspective". Kluwer Academic Publishers, Boston.
- 3) Morris P. and Therivel Riki, (2010) "Methods of EIA – 3rd Edition". Routledge, London.
- 4) Sachithanandan A. N. "Environmental impact assessment" – Associateship Examination Reader Volume, ITPI

Additional Readings/ References/ Materials - Online:

- 1) Ministry of Environment and Forests (2012), Terms Of Reference [ToR] For EIA Report. Govt of India, Delhi. viz. "Environmental Impact Assessment Guidance Manual for Building, Construction, Townships And Area Development Projects". Gol, Delhi etc.
https://environmentclearance.nic.in/report/User_eia_manuals.aspx
- 2) UNDP (2006) "A Guide To Strategic Environmental Assessment". UNDP, NY.
- 3) Vijay Kulkarni, T V Ramachandra (2006), Environmental Management, The Energy and Resources Institute, New Delhi.
- 4) 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).
- 5) Environmental Impact Assessment - Analyzing Benefits and Actions :
<https://www.youtube.com/watch?v=3fbEVytyJCK>
- 6) NPTEL/SWAYAM Course videos on Environmental Impact Assessment

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.