



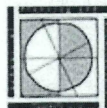
योजना तथा वास्तुकला विद्यालय, विजयवाड़ा
School of Planning and Architecture, Vijayawada
An Institute of National Importance, Ministry of Education, Govt. of India

Department of Planning,
Lecture Plan, Odd Semester, A.Y. 2026-27

Name of Course:	Environmental Impact Assessments Techniques (MEPM213)
Programme & Sem:	Master of Environmental Planning & Management (PG), Semester Three
Course Duration:	Odd Semester 2026-27
Course Coordinator:	Rajeev R., Assistant Professor, Dept. of Planning (rajeevnair@spav.ac.in)
Number of Credits:	03
Subject Category:	Theory (TC)
Total Periods/Week:	03 (See Time Table for details) (2 Lecture periods + 1 Tutorial period)
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/ Unit/ Assignment
Week 1 (starting from 20th July 2026)	Role of EIA in the Planning and Decision-making process: Need for EIA - What constitutes 'environment' and 'environmental impact'; Understanding 'impact' within the context of environment; EIA and its relevance in planning practice.	Orientation & Lecture (Unit 1)
Week 2	Nature & Purpose of environmental impact assessment; Understanding varying typologies of impacts and varying perspectives of stakeholders in large projects; Current issues in EIA; Origin and Development of EIA in global context; Introduction to SEA.	Lecture, and Interactive Session – Role Playing (Unit 1,2)
Week 3	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.; Conceptual Approach; Proposal, Study Formulation, Responsibilities assignment.	Lecture, Tutorial (Unit 2)
Week 4		
Week 5	Screening of Projects for EIA in Indian context and Internal Assessment – 1: Assignment/ Mini-Project	(Unit 1,2 – 15 Marks)
Week 6 & 7	STUDIO FIELD VISIT	--
Week 8	Process Flow of EIA; Guidelines and Terms of Reference for EIA. Baseline preparation for Impact identification; Continuation of Week 5 Exercise in class/ as discussion.	Lecture (Unit 2, 3)



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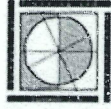
Week 9 & 11	EIA methods – Categories of EIA Methodologies viz. Check List Methods, Matrices Methods, Network Methods etc.; prioritization and assessment; Determination of Environmental Impact Importance and Determination of Weightages	Lecture, Tutorial (Unit 3)
Week 10	Mid-Semester Assessment Week (21st to 25th September 2026): Assessment 2	Written Assessment - 20 marks
Week 12 & 13	Impact Prediction and Mitigation Methods - Measurement of Impacts: Methods and models for prediction; Scoring and weighting and multi-criteria methods.	Lecture (Unit 4)
Week 14/15	Impact Prediction and Evaluation – CBA, Planning Balance Sheets etc.	Special Lecture, Tutorial (Unit 4) (Additional)
Week 14/15	Impact Mitigation Case Studies and Best Practices; Comparison of Alternatives	Lecture, Interactive Session (Unit 4)
Week 16	Internal Assessment – 3 : Mini-Project Mode: Seminar by students followed by inputs by Faculty.	Presentation, & Case Study Discussion. (Unit 5) – 10 Marks
Week 17	Concept of Social Impact Assessments: Types; Basic Steps; Prediction and Changes in Socio-economic Factors; Case Study; People's participation in Environmental Impact Assessments Test and Revision Finalisation & Display of Internal Assessment & Attendance (November 2026)	Lecture (Unit 5) Test/Quiz – 5 Marks

Suggested Readings/ References from Library:

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

Additional Readings/ References/ Materials - Online:

- Material available on <https://environmentclearance.nic.in/>, <https://parivesh.nic.in/>
- 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". GoI, Delhi etc. https://environmentclearance.nic.in/report/User_eia_manuals.aspx
- UNDP (2006) "A Guide To Strategic Environmental Assessment". UNDP, NY.
- 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).



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- Environmental Impact Assessment - Analyzing Benefits and Actions :
<https://www.youtube.com/watch?v=3fbEVtyJCk>
- 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.