

Sl. No.	Sub. Code	Theory	Contact Hours			Credit
			L	T	P/S	
3.3	22EAR0333	Elective 3. Environmental Impact Assessment (EIA)	3	0	0	3

Course Objective To familiarize students with social, economic and environmental impacts of buildings as well as large scale developments.

Anticipated Learning Outcomes: Ability to understand sustainable systems and utilities and their integration and management at building and site levels

Module 1 Introduction to EIA. Role of EIA in the Planning and decision-making process, definition and need, evolution and objectives, tasks and scope, methods of EIA; advantages and limitations.

Module 2 Environmental consequences of building projects, sensitive projects and large developments.

Module 3 Impact areas and assessments, prediction and mitigation of negative impacts, administrative procedures and clearances.

Module 4 Environmental impact of traffic; Energy issues in transportation, Transportation policies and safety standards.

Module 5 Case studies as suggested by the faculty

Text Books

1. Kulkarni, V., and Ramachandra, T.V., *Environmental Management*, Capital Publishers, New Delhi, 2006.
2. Mary, K. T., *Introduction to Environmental Management*, Taylor & Francis, 2009.

References

1. Barrow, C.J., *Environmental Management: Principles and Practice*, Routledge, 1999.
2. Kanholm, J., *EMS Manual, 21 Procedures and Forms*, AQA Press, USA, 2000.
3. Holling, C.S., *Adaptive Environmental Assessment and Management*, John Willey & Sons, New York, 1987.
4. Meadows, D.H., Meadows, D.L., and Randers, J., *Beyond the Limits – Global Collapse or Sustainable Future*, Earth Scan Publications Limited, London, 1992.