

II Sem. M.Tech Environmental Science & Engineering- 2008-09

LECTURE PLAN

ES C5211

Section B: Impact Assessment

1.	Overview of NEPA and Evolution of EIA	2
2.	EIA Framework: Screening, Scoping, Baseline Studies, Prediction, Mitigation & other aspects	5
3.	EIA Notification 2006	2
4.	Techniques for Assessment of Impacts on Physical & Ecological Resources	3
5.	Techniques for Assessment of Impacts on Human Use and Quality of Life Values	2
6.	Impact Assessment Methodologies: Various Methods & their applicability	4
7.	Strategic Environmental Assessment	2
8.	Cumulative Impact Assessment	1
9.	Risk and Uncertainty in EIA	1
10.	Disaster Management Planning	2
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LECTURE PLAN


ES C5214: Environmental Audit and EMS (3-1-0)

1.	Overview and Concepts of Environmental Audit	2
2.	Objectives & Types of Audits	2
3.	Carrying out an Environmental Audit- Planning; Organisation; Protocols	3
4.	Pre- on-site-and post-environmental auditing	4
5.	Waste Management Contractor Audit	2
6.	Life cycle Approach	2
7.	Environmental Statement	4
8.	Principles & Elements of successful environmental management	2
9.	ISO Principles	2
10.	Evolution of EMS (ISO 14001), EMS Manual	3
11.	Elements & Implementation of EMS	6
12.	Evaluation of EMS	2
13.	Legal & Regulatory Concerns	2
14.	Integrating ISO 9000 & 14000	2
15.	ISO 18000 : SA 8000	2
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Books and References

1. Renewable Energy Environment and Development-Maheswar Dayal Konark Pub. Pvt.Ltd. 1998
2. Planning and Implementation of ISO14001, Environmental Management System- Girdhar Gyani & Amit Lunia Raj Publishing House, Jaipur, 2000.
3. "The ISO: 14000 Handbook" - Joseph Caseio (Ed), Published - CEEM Information Services. 2000
4. INSIDE ISO: 14000 – The Competitive Advantage of Environmental Management - Don Sayre, Vinity Books International, New Delhi, 2001.
5. A Guide to the Implementation of the ISO: 14000 Series on Environmental Management – Ritchie, I and Hayes W, Prentice Hall, New Jersey, 1998.


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