

Title of the Course: Environment Impact Assessment IV

Course Code: ESC-401

Number of Credits: 03

Total Contact Hours: 36

Effective from AY: 2022-23

Prerequisites for the course:	The student should have completed course nos. ESC-106 (EIA I), ESC-206 (EIA II) and ESC-301 (EIA III)	
Objective:	To learn the legal and administrative aspects of EIA and its application with specific reference to industrial sector.	
Content:	Module 1: Introduction Traditional and modern technologies associated with mining, aquaculture, sewage treatment plant, ports, airports, roads and railways.	06 hours
	Module 2: EIA and development EIA with reference to land-use pattern, centralized land-use, procedures and methodologies, EIA plans (state and central legislation), EIA (waste management), alternate technologies and	10 hours

	<p>waste management strategies, remediation, guidelines for the preparation of EIA document, Quality Management System for EIA.</p> <p>Module 3: EIA for specific projects Industrial setup and establishment - infrastructure, operation and management, effluent and waste, practices, effectiveness, practices. Biodiversity assessment, inventorization of flora and fauna, impact on migratory population and existing settlement, strategic mitigation measure.</p> <p>Module 4: EIA rules and notifications Legal, policy and regulation framework- Global and Indian context. Policy and legislation: Environmental Protection Acts & Rules. EIA notification 1994 and 2006 and amendments. EIA 2020 draft notification and objections. Public hearing guidelines. Case studies and reports.</p>	<p>10 hours</p> <p>10 hours</p>
Pedagogy:	Lectures/assignments/workshops/outreach programs/field trips and discussion/presentations.	
References/Readings	<ol style="list-style-type: none"> 1. Glasson, J., Therivel, R. & Chadwick, A. (2005). Introduction to Environmental Impact Assessment. Published by Routledge. Taylor and Francis Group. New York 2. Arts, J., & Morrison-Saunders, A. (Eds.). (2012). <i>Assessing impact: handbook of EIA and SEA follow-up</i>. Routledge. Taylor and Francis Group. New York 3. Abaza, H., Bisset, R., Sadler, B., (2004). Environmental Impact Assessment and Strategic Environmental Assessment: towards an integrated approach. UNEP. 4. Therivel, R., & Wood, G. (Eds.). (2017). <i>Methods of environmental and social impact assessment</i>. Routledge. Taylor and Francis Group. New York. 5. Morris, P., & Therivel, R. (Eds.). (2001). <i>Methods of environmental impact assessment</i> (Vol. 2). Taylor & Francis. New York 6. Ministry of Environment and Forests, EIA Notification, 2006, S.O. 1533, 14 September 2006 <http://parivesh.nic.in/writereaddata/ENV/EnvironmentalClearance-General/18.pdf>. 	
Learning Outcomes	<p>On completion of the course, the student will be able to:</p> <ol style="list-style-type: none"> 1. Independently assess EIA of past projects. 2. Participate in EIA processes and evaluate policy decisions. 	