

Course title: Industrial Development and Sustainability: Policies, Performance, & Practices			
Course code: PPS 158	No. of credits: 2	L-T-P: 25-05-00	Learning hours: 30
Pre-requisite course code and title (if any): None			
Department: Department of Policy & Management Studies			
Course coordinator(s): Dr. Chandan Kumar		Course instructor(s): Dr. Anjali Tandon, & Others	
Contact details: chandan.kumar@terisas.ac.in			
Course type: Core		Course offered in: 2 nd Semester	
<p>Course description</p> <p>Sustainable industrial development is vital for addressing the complex challenges of the 21st century, including climate change, resource depletion, and social inequities. It aligns with a country's commitment to global responsibilities. By prioritizing sustainability in industrial practices (especially in manufacturing industries), governments and organizations can create resilient economies, foster innovation, protect the environment, and improve the quality of life for current and future generations. In recent times in emerging economies, policymakers have taken a keen interest in the various ways smart industrial policy can help sustain growth and open new possibilities for employment creation. This course offers an in-depth exploration of sustainable industrial development, focusing on industrial ecology, industrial performance, regulatory frameworks, and sustainability practices. It is designed for students to understand the complexities of industrial development in the context of environmental sustainability and social equity.</p> <p>The course is divided into four modules. The first module introduces major industries, their socioeconomic and environmental impacts, significance of integrating sustainability in industrial practices, and the concept of industrial ecology. The second module provides an overview of India's industrial policy development, assessment of India's industrial performance, and examines the policy challenges that arise from striving for sustainable industrialization, or industrial development in general. The third module provides a discussion about the legal and regulatory frameworks governing industrial practices. It emphasizes the role of governance in promoting sustainability and discusses emerging trends and future prospects for sustainable industrial development. The final module orients to international and Indian cases of successful industrial practices and policy initiatives to promote industrial development with sustainability aspects. Students will explore and discuss diverse case studies to understand the factors that contribute to successful implementation and outcomes.</p>			
<p>Learning objectives:</p> <ul style="list-style-type: none"> • To help students understand the principles and practices of industrial development and sustainability. • To orient students to analyze the performance of industries in the context of sustainability and identify key policy challenges. • To assist students to examine regulatory frameworks and governance mechanisms that promote sustainable industrial practices. • To capacitate students to discuss and assess case studies to identify the best practices and lessons learned in industrial development. 			
<p>Evaluation criteria:</p> <p>Course grades will be based on the following criteria:</p> <ul style="list-style-type: none"> • Minor Test-1: Short-Answer Type Questions/Quizzes/MCQs (30%) • Minor Test-2: Group Presentation of Module-4 based Cases (20%) • Major Test: Written Test/Term Paper Submission & Presentation (50%) 			
<p>Learning outcomes</p> <p>Upon completion of this course, candidates will be:</p> <ol style="list-style-type: none"> 1. having a well-rounded understanding of the principles and practices underlying sustainable industrial development (All evaluations) 2. equipped with the tools necessary to critically analyse industrial policies, assess performance, and propose innovative solutions that align with sustainability goals (All evaluations) 			
<p>Student responsibilities</p> <ul style="list-style-type: none"> • At least 75% attendance will be necessary to be able to appear for the final exam. • Active classroom participation; Critical reflections and timely submission according to the evaluation criterion. 			
Course Outline prepared by: Dr. Chandan Kumar			
<p>Course reviewers</p> <ol style="list-style-type: none"> 1. Prof. S. P. Singh, Professor of Economics, Department of Humanities & Social Sciences, Indian Institute of Technology Roorkee (IITR), Roorkee, Uttarakhand, India. 2. Dr. Anjali Tandon, Associate Professor, Institute for Studies in Industrial Development (ISID), New Delhi, India. 			
<p>Additional Information</p> <p>This Course outline was approved in the 60th Academic Council Meeting held on 24th December 2024 at TERI School of Advanced Studies, New Delhi.</p>			

Note: This is a brief outline of the course. Detailed Course Content is available to students through University Intranet.