

<b>Course title:</b> Industrial Development and Sustainability				
<b>Course code:</b> PPS 134		<b>No. of credits:</b> 2	<b>L-T-P distribution:</b> 18-10-0	<b>Learning hours:</b> 28
<b>Pre-requisite course code and title (if any):</b> None				
<b>Department:</b> Policy Studies				
<b>Course coordinator (s):</b> Prof Manipadma Datta			<b>Course instructor (s):</b> Prof Manipadma Datta	
<b>Contact details:</b> <a href="mailto:manipadma.datta@terisas.ac.in">manipadma.datta@terisas.ac.in</a>				
<b>Course type:</b> Core			<b>Course offered in:</b> Semester 1	
<b>Course description:</b> This course would expose the students to the idea of integrating the sustainability goals with industrial and economic development process. It is likely to act as a vehicle of conceptualizing the sustainable development the world over with a particular reference to India in the context of industrialization process.				
<b>Course objectives:</b>				
<ul style="list-style-type: none"> <li>▪ Understanding the interface between industrial policies and sustainable development goals;</li> <li>▪ Integrating the principles and practices of sustainability into industrial policy perspective;</li> <li>▪ Internalizing the dynamics of sustainable industrial growth both in national and international context.</li> </ul>				
<b>Course contents</b>				
<b>Module</b>	<b>Topic</b>	<b>L</b>	<b>T</b>	<b>P</b>
1	<b>Connect and interface between Industrial Development and Sustainability</b> <ol style="list-style-type: none"> <li>a. Idea of a sustainable industrial development- an introduction;</li> <li>b. Triple bottom line (TBL), inclusiveness and industrial development;</li> <li>c. Historical evolution of industrialization and its different phase;</li> <li>d. Shifting paradigms of development theories and the emerging challenges;</li> <li>e. Sustainable Development Goals (SDG) and India's development agenda;</li> <li>f. Problems and prospects of development indicators.</li> </ol>	4	2	
2	<b>Problems and Prospects of Sustainable Industrial Development</b> <p>Industrial development, economic growth and inclusiveness- development theories and the interconnected issues:</p> <ol style="list-style-type: none"> <li>i. Inequality;</li> <li>ii. Poverty;</li> <li>iii. Population;</li> <li>iv. Job creation;</li> <li>v. Regional imbalances;</li> <li>vi. Rural urban divide.</li> </ol>	3	1	
3	<b>India's industrial development policies- a critique:</b> <ol style="list-style-type: none"> <li>a. Industrial development scenario in pre- and-post-independence era;</li> <li>b. Industrial policies since independence;</li> <li>c. India's position on global industrial map;</li> <li>d. Contemporary trends;</li> <li>e. India's prospects and challenge</li> </ol>	3	1	
4	<b>Green and Sustainable industrialization: the policy perspective:</b> <ol style="list-style-type: none"> <li>a. Enabling sustainable industrial environment process;</li> <li>b. Encouraging industry-led initiatives;</li> </ol>	2	2	

	<ul style="list-style-type: none"> <li>c. Sectoral analyses;</li> <li>d. Harnessing environmental technologies;</li> <li>e. Instruments development for promoting sustainable industry;</li> <li>f. Value chain analysis for better stakeholders' management.</li> </ul>			
5	<p><b>Industrial Development and Sustainable Industrial Relations:</b></p> <ul style="list-style-type: none"> <li>a. Role and structure of industrial relations;</li> <li>b. Need for structural adjustments;</li> <li>c. Social partnering and its challenges;</li> <li>d. Introducing sustainable performance parameters at organizational levels and its challenge.</li> </ul>	2	2	
6	<p><b>Sustainability and the market:</b></p> <ul style="list-style-type: none"> <li>a. Market awareness</li> <li>b. Market indicators as a measure of awareness;</li> <li>c. Responsible investment principles (UNPRI);</li> <li>d. Market instruments for sustainable financing;</li> <li>e. Role of market regulators.</li> </ul>	2	1	
7	<p><b>Politics of sustainable industrial development:</b></p> <ul style="list-style-type: none"> <li>a. The national and international dynamics;</li> <li>b. International efforts, differences and divides;</li> <li>c. National priorities and sustainability issues;</li> <li>d. Dynamics of funding.</li> </ul>	2	1	
	<b>Total</b>	<b>18</b>	<b>10</b>	<b>0</b>
<b>Evaluation criteria:</b>				
<ul style="list-style-type: none"> <li>▪ Assignments and presentations           60%</li> <li>▪ Term Paper                                   40%</li> </ul>				
<b>Learning outcomes:</b>				
<ul style="list-style-type: none"> <li>▪ Developing objective perspective of sustainable industrial and economic development.( Assignments and presentations)</li> <li>▪ Innovating ideas to capture sustainability dynamics in new age industrialization.( Term Paper )</li> <li>▪ Developing skill and ability to factor sustainable development into industrial policies making.( Term Paper)</li> </ul>				
<b>Pedagogical approach</b>				
The course will be delivered through class room lectures, group-discussions and case discussion.				
<b>Materials:</b>				
<ul style="list-style-type: none"> <li>• Modules 1 and 2: <ul style="list-style-type: none"> <li>▪ Chapters 2,3 and 4 in Ray, Devraj, Development Economics, Oxford India, 27<sup>th</sup> Impression, 2017.</li> <li>▪ Kuznets, Simon, Economic Growth and Income Inequality, the American Economic Review, Vol.45, Issue 1</li> <li>▪ Kniivilä, Matleena, Industrial development and economic growth: Implications for poverty reduction and income inequality</li> </ul> </li> <li>• Module 3 <ul style="list-style-type: none"> <li>▪ Chapters 1,2,4,and 5 in Kapila, Uma (ed.), Indian Economy since Independence, Academic Foundation, Delhi, 2016-17</li> </ul> </li> <li>• Module 4: <ul style="list-style-type: none"> <li>▪ TRANSFORMING OUR WORLD: THE 2030 AGENDA FOR SUSTAINABLE</li> </ul> </li> </ul>				

- DEVELOPMENT A/RES/70/1: [www.sustainabledevelopment.un.org](http://www.sustainabledevelopment.un.org)
- UNIDO Green Industry Policies for supporting Green Industry: [www.unido.org](http://www.unido.org)
- Module 5:
  - Collins, Davis, Bray, Mark and Burgess, John, Green Jobs, Environmental Sustainability and Industrial Relations , Indian Journal of Industrial Relations, Vol. 45, No. 4, Changing International Industrial Relations (April 2010).
  - ILO, The potential of skills development and recognition for regulated labour mobility in the IGAD Region A scoping study covering Djibouti, Ethiopia, Kenya, Somalia, South Sudan, Sudan, and Uganda;
  - ILO, COVID-19 AND THE GARMENT AND TEXTILE SECTOR IN ETHIOPIA: WORKERS' PERSPECTIVES ON COVID-19 RESPONSE
- Module 6:
  - Kemper Joya A., Hall , Michael C., and Ballantine Paul W., Marketing and Sustainability: Business as Usual or Changing Worldviews?
- Module 7:
  - Scoones, Ian, The Politics of Sustainability and Development

**Required text**

**Suggested readings**

- Ray, Devraj, Development Economics, Oxford India, 27<sup>th</sup> Impression, 2017
- Kapila, Uma (ed.), Indian Economy since Independence, Academic Foundation, Delhi, 2016-17.
- Occasional hand-outs and references as shared from time to time by the faculty.

**Case Studies:**

- Arthur Andersen case of waste management
- Critical success factors of green supply chain management for achieving sustainability in Indian automobile industry
- Human Resources Development and Sustainability Ð The Case of Indian Tourism
- Challenges to the sustainability of 'development zones': A case study of Guangzhou Development District, PRC

**Websites:** [www.unido.org](http://www.unido.org); [www.un.org](http://www.un.org); [www.ilo.org](http://www.ilo.org); [www.commerce.gov.in](http://www.commerce.gov.in)

**Other readings:**

- Banerjee, Avijit,V and Duflo, Esther, Good Economics for Hard Times, Juggernaut India, 2019.
- UNIDO, Industrial Development Reports, 2013, 2016, 2016 and 2020.

**Additional information:** \*\*\* *Cases and articles could be had of the faculty.*

**Student responsibilities**

Expected to interact with the faculty. Original ideas would be appreciated.

**Course reviewers:**

1. Prof Sonu Goyal, Professor, International Management Institute, Delhi
2. Prof. S Bhattacharya, Director, Institute of Management Technology, Ghaziabad.