

Course title: Industrial Development and Sustainability				
Course code: PPS 134	No. of credits: 2	L-T-P distribution: 19-11-0	Learning hours: 28	
Pre-requisite course code and title (if any): None				
Department: Policy and Management Studies				
Course coordinator (s): Dr. Lakshmi Raghupathy		Course instructor (s): Dr. Lakshmi Raghupathy		
Contact details: lakshmi.raghupathy23@gmail.com ; lakshmiraghu23@gmail.com				
Course type: Core		Course offered in: Semester 1		
Course description: 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.				
Course objectives:				
<ul style="list-style-type: none"> ▪ Understanding the interface between industrial policies and sustainable development goals; ▪ Integrating the principles and practices of sustainability into industrial policy perspective; ▪ Internalizing the dynamics of sustainable industrial growth both in national and international context. 				
Course contents				
Module	Topic	L	T	P
1	Connect and interface between Industrial Development and Sustainability <ol style="list-style-type: none"> a. Idea of a sustainable industrial development- an introduction; b. Triple bottom line (TBL), inclusiveness and industrial development; c. Historical evolution of industrialization and its different phase; d. Shifting paradigms of development theories and the emerging challenges; e. Sustainable Development Goals (SDG) and India's development agenda; f. Problems and prospects of development indicators. 	4	2	
2	Problems and Prospects of Sustainable Industrial Development Industrial development, economic growth and inclusiveness- development theories and the interconnected issues: <ol style="list-style-type: none"> i. Inequality; ii. Poverty; iii. Population; iv. Job creation; v. Regional imbalances; vi. Rural urban divide. 	3	2	
3	India's industrial development policies- a critique: <ol style="list-style-type: none"> a. Industrial development scenario in pre- and-post-independence era; b. Industrial policies since independence; c. India's position on global industrial map; d. Contemporary trends; e. India's prospects and challenge 	3	1	
4	Green and Sustainable industrialization: the policy perspective: <ol style="list-style-type: none"> a. Enabling sustainable industrial environment process; 	3	2	

	<ul style="list-style-type: none"> b. Encouraging industry-led initiatives; c. Sectoral analyses; d. Harnessing environmental technologies; e. Instruments development for promoting sustainable industry; f. Value chain analysis for better stakeholders' management. 			
5	Industrial Development and Sustainable Industrial Relations: <ul style="list-style-type: none"> a. Role and structure of industrial relations; b. Need for structural adjustments; c. Social partnering and its challenges; d. Introducing sustainable performance parameters at organizational levels and its challenge. 	2	2	
6	Sustainability and the market: <ul style="list-style-type: none"> a. Market awareness b. Market indicators as a measure of awareness; c. Responsible investment principles (UNPRI); d. Market instruments for sustainable financing; e. Role of market regulators. 	2	1	
7	Politics of sustainable industrial development: <ul style="list-style-type: none"> a. The national and international dynamics; b. International efforts, differences and divides; c. National priorities and sustainability issues; d. Dynamics of funding. 	2	1	
	Total	18	10	0
Evaluation criteria:				
<ul style="list-style-type: none"> ▪ Assignments and presentations 50% ▪ Term Paper 50% 				
Learning outcomes:				
<ul style="list-style-type: none"> ▪ Developing objective perspective of sustainable industrial and economic development.(Assignments and presentations) ▪ Innovating ideas to capture sustainability dynamics in new age industrialization.(Term Paper) ▪ Developing skill and ability to factor sustainable development into industrial policies making.(Term Paper) 				
Pedagogical approach				
The course will be delivered through class room lectures, group-discussions and case discussion.				
Materials:				
<ul style="list-style-type: none"> • Modules 1 and 2: <ul style="list-style-type: none"> ✓ Chapters 2,3 and 4 in Ray, Devraj, Development Economics, Oxford India, 27th Impression, 2017. ✓ Kuznets, Simon, Economic Growth and Income Inequality, the American Economic Review, Vol.45, Issue 1 ✓ Kniivilä, Matleena, Industrial development and economic growth: Implications for poverty reduction and income inequality • Module 3 <ul style="list-style-type: none"> ✓ Chapters 1,2,4,and 5 in Kapila, Uma (ed.), Indian Economy since Independence, Academic Foundation, Delhi, 2016-17 • Module 4: 				

- ✓ TRANSFORMING OUR WORLD: THE 2030 AGENDA FOR SUSTAINABLE DEVELOPMENT A/RES/70/1: www.sustainabledevelopment.un.org
- ✓ UNIDO Green Industry Policies for supporting Green Industry: 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, 27th 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; www.un.org; www.ilo.org; 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.