

GSP189 Industry, Jobs and Skills Transformation

Level: 1

Credit Units: 2.5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY SEMESTER

Synopsis:

The disruptions brought about by technological advancements transform the future of work, and impact on the skills needed from the workforce and the modality of work. Through social scientific perspectives (drawing from political science, political economy, labour relations, comparative politics and the study of public policies), this course surveys the shape and needs of Industry 4.0 and the features of digitalized and automated workplaces within the contexts of policymaking (e.g. employment policies and regulations), socio-political leadership, retraining schemes, political economy of industry transformation, industrial actions, the concept of employability, government-private sector (management)-workers/unions relationship (tripartism), etc. Emphasis will be placed on skills training policies (e.g. lifelong learning, SkillsFuture, etc.), Singapore's transformation in coping with changes (with some global comparisons), emergence of freelancing, changing ideas of the millennial generation and the importance of human capital. This course also outlines the challenges and benefits of the digital revolution, Industry 4.0 and Globalization 2.0. Students will also discuss the opportunities offered by government regulations for coping with the changes.

Topics:

- Technology Disruptions and Impact on Work
- The Future of Work
- Globalisation 2.0
- Industry 4.0
- Robotics and A.I.
- Future Skills and Transforming the Workforce

Learning Outcome:

- Discuss the speed, scope and impact of Industry 4.0 and Globalization 2.0.
- Explain key concepts related to retraining needs.
- Compare and contrast the Singapore case study with other empirical comparative examples.
- Identify the nexus and interconnections between government, private sector/management and workers/unions (the 'tripartite').
- Describe the political, social, and economic challenges of coordinating the retraining process and articulating changes in the workplace.
- Show how individuals and the collective ('tripartite') can respond to these challenges.

Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	PRE-COURSE QUIZ 1	20

Overall Continuous Assessment	GROUP BASED ASSIGNMENT 1	40
	PRESENTATION 1	40
Total		100