## 全球科技產業發展

## Global Technology Industry Development

Instructors:

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At the end of the course, students will be able to:

- understand what factors contributed to successful technological catch-up in selected industries/economies (macro level);
- identify strategic approaches to create a globally robust and competent industrial system (meso level); and
- examine global industrial development issues and discuss the key elements for firms to search and define niches in global production value chain (micro level)

Continuous assessment (tasks and deliverables will be discussed in the class)

- Assignments- 60%
- Participation- 40% (asking/responding to thinking questions)

## (Tentative) Teaching Schedule

Week	Lecture
1 22/Feb	Introduction- course overview
2 29/Feb	An overview of a learning economy
3	The art of technological catch-up and industrialization
7/March	
4	Guest lecture (1)
14/March	
5	Rents, rent seeking and economic development
21/March	
6	Innovation financing: Venture capital, industry and market
28/March	
7 4/Apr	Holiday
8 11/Apr	An institutional approach to technology industry development
9 18/Apr	Institutionalization of incremental innovation: mobile communication
	technologies
10	Institutionalization of radical innovation: regenerative medicine
25/Apr	
11 2/May	Institutionalization of disruptive innovation: Shang Zhai

12 9/May	Guest lecture (2)
13	LCD Display: Trajectory and Strategy
16/May	
14	Electric Vehicle: Trajectory and Strategy
23/May	
15	Renewable Energy: Trajectory and Strategy
30/May	
16 6/June	Industry 4.0: Trajectory and Strategy (+)
	Semiconductor: Trajectory and Strategy
17	Self-study
18	Self-study

\*The syllabus is subject to change based on needs (and schedule/unexpected circumstances) of the class.