



蘇州大學
Soochow University

ECO 258 Innovation Economics

Summer 2024

Course Credits: 4

Contact Hours: 56 hours

Instructor: TBA

Email: TBA

COURSE OBJECTIVES

The course aims at providing students with the main theoretical and empirical issues surrounding the economic analysis of innovation. It uses simple microeconomic and industrial organization models as well as empirical and historical evidence on the evolution of industries and case studies. Focusing on the creation and impact of new products and processes, and their contribution to increase productivity in various sectors, students will gain a good understanding of the critical role innovation plays in driving economic growth and development.

Upon Completion of this Course, students will be able to:

1. Understand the economic theories surrounding innovation and its impact on economic growth.
2. Explore the relationship between technological change and market dynamics, with a focus on the development of new products and processes.
3. Examine case studies of successful and unsuccessful innovation strategies in various industries, considering both product and process innovations.
4. Analyze the role of government policies in fostering or hindering innovation.
5. Develop critical thinking skills to assess the social and ethical implications of technological innovation.

PREREQUISITES

ECO 110 Microeconomics; ECO 120 Macroeconomics



GRADING

Grades will be determined by accumulating points, with 100 points being the maximum, as follows:

ITEM	POINTS
2 Quizzes	20 Points
2 Assignments	20 Points
Midterm	20 Points
Term Essay	10 Points
Final Exam	30 Points
Total	100 Points

Late submissions will be graded at the end of the course. Grades will be assigned according to the following rule:

$$A \geq 90 > B \geq 80 > C \geq 70 > D \geq 60 > F.$$

We reserve the right to make adjustments to the overall grading policy.

COURSE MATERIALS

Required Texts:

Handbook of The Economics of Innovation, Vol. 1, Bronwyn H. Hall and Nathan Rosenberg, North Holland, Year: 2010.

The Oxford Handbook of Innovation, Jan Fagerberg, David C. Mowery, Oxford University Press, 2006.

Recommended (Optional) Texts or Other Materials:

None

COURSE TOPICS

MODULE	TASKS
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Module 1	<p>Topics: Topic 1: Innovation in the Making Topic 2: The Innovative Firm Topic 3: Networks of Innovators Topic 4: Innovation Processes</p> <p>Assessments: Quiz#1</p>
Module 2	<p>Topics: Topic 5: Organizational Innovation Topic 6: The Systemic Nature of Innovation Topic 7: Finance and Innovation Topic 8: Innovation and Intellectual Property Rights</p> <p>Assessments: Assignment#1 Quiz#2</p>
Module 3	<p>Topics: Topic 9: The Geography of Innovation: Regional Innovation Systems Topic 10: Globalization of Innovation: The Role of Multinational Enterprises Topic 11: Innovation and Performance Topic 12: Innovation and Economic Growth</p> <p>Assessments: Midterm</p>
Module 4	<p>Topics: Topic 13: Innovation and Competitiveness Topic 14: Innovation and Employment Topic 15: Technology and economic modernity Topic 16: Technology in a “Malthusian economy”</p> <p>Assessments: Assignment#2</p>
Module 5	<p>Topics: Topic 17: The first Industrial Revolution: A new approach Topic 18: The transition to modern growth, 1830 – 1880 Topic 19: The second Industrial Revolution Topic 20: Science, Technology, and Innovation Policy</p> <p>Assessments: Term Essay Final Exam</p>

ATTENDANCE

1) Class attendance is required. Missing classes without permission will lead to



decrease in overall grade.

Missing less than two classes: no penalty.

Missing more than two classes: 7% will be taken off from the overall grade.

If the instructor reports a student's frequent missing of class to the Soochow University Academic Administration Office, the student might get a written warning and might be prohibited from attending final exam.

2) Participants in this course are expected to arrive in class promptly and adequately prepared. The primary objective of this course is to critically engage with the readings and the subject matter. Therefore, course participants are expected to have completed the reading prior to class and prepare thoughtful reflections/commentaries to share with fellow colleagues.

LEARNING REQUIREMENTS

- 1) Late assignments are not acceptable and are subjected to grade deductions.
- 2) Assignments submitted in the wrong format will be counted as not submitted.
- 3) Failure to submit or fulfill any required course component results in failure of the class.
- 4) Make-up for midterm and final exams only with valid excuses, as defined by the University.
- 5) In order to earn a Certificate of Completion, participants must thoughtfully complete all assignments by stated deadlines and earn an average quiz score of 50% or greater.

TECHNOLOGY POLICY

The use of electronic devices in class is distracting, both for the user and for the rest of the class. Only non-programmable calculators can be used in the tests and exam. Any attempts to use cell phones and other electronic communication devices will be seemed as cheating. Laptops are discouraged, unless you use them for activities DIRECTLY related to the course (eg., note taking, reading course documents).

ACADEMIC INTEGRITY POLICY

Soochow University highly values the academic integrity and aims to promote the



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academic fairness, honesty and responsibility. Any academic dishonesty behaviors and any attempts to cheats and plagiarism will be reported to the university administration office. A written warning and the relevant penalties will be imposed. The record might be shown on the official university transcript.

DISABILITY ACCOMMODATION

Soochow University is committed to maintaining a barrier-free environment so that students with disabilities can fully access programs, courses, services, and activities at Soochow University. Students with disabilities who require accommodations for access to and/or participation in this course are welcome.

Note:

Please contact the University Administrative Office immediately if you have a learning disability, a medical issue, or any other type of problem that prevents professors from seeing you have learned the course material.