

ESOP : 上級経済学

Sonia MINO

Credit(s) : 2 | Semester : 春学期授業/Spring | Year : 2024
Day/Period : 水 4/Wed.4

実務教員 :

【Outline and objectives】 管理ID : Innovation plays an important role in economic growth. This course seeks to provide the foundational concepts and understanding of central aspects of Innovation. We will address questions such as: What is innovation? Are patents the best option and are there other ways of providing incentives to innovate? How do we measure Innovation? What are the linkages between Government, Businesses and Universities in facilitating R&D? Why and how do firms innovate, and what are some of the challenges they face? Students will explore these and other questions to understand this complex process of innovation. The latter part of the course will deal with the study of Japan's corporate network-the keiretsu- and some case studies on innovation in this globalized world.

【Goal】

By the end of the course, students should have grasped the various concepts of innovation, the role played by the various actors of the economy in spurring innovation, and the effects of innovations on economic growth.

【Which item of the diploma policy will be obtained by taking this class?】

【Method(s)】

Lectures and guided discussion are the fundamental methods to be used in the course. Students will have to turn in assignments based on the previous week's lecture/topic.

Submission of assignments and feedback are to be uploaded on the Learning Management System.

Feedback on assignments and exams will sent to students through email.

Where necessary, online meetings will be scheduled with students to discuss the feedback.

【Active learning in class (Group discussion, Debate.etc.)】 あり /

Yes

【Fieldwork in

class】 なし / No

【Schedule】 Class form : 対面/face to face

| No. | Theme | Contents |
|---------------------------|--|--|
| Week 1 対面/face to face | The Nature and Importance of Innovation | Introduction to the course What is Innovation? |
| Week 2 対面/face to face | The Nature and Importance of Innovation | Stages of Innovation Basic concepts in Innovation Process and Product Innovation Incentives to invent and Innovate |
| Week 3 対面/face to face | The Nature and Role of Intellectual Property | Why Intellectual Property Rights (IPRs) are awarded? Main Forms of Intellectual Property Rights : Patents, Trademarks, Copyright, and Designs How firms Can benefit from IPRs IPR strategies |
| Week 4 対面/face to face | The Measurement of Innovation and Productivity | Innovation Surveys Assessing the Inputs to Innovation Innovation Index R&D Expenditures Partial and Total Factor Productivity |

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|----------------------------|--------------------------------|---|
| Week 5 対面/face to face | The National Innovative System | The Role of Universities, Government and Businesses The Role of R&D |
| Week 6 対面/face to face | The National Innovative System | Government – University Axis University-Business Axis Government – Business Axis |
| Week 7 対面/face to face | Innovative Firms and Market | Entrepreneurship and New Firms Innovation and Firms Empirical Evidence on Returns to Innovation |
| Week 8 対面/face to face | Diffusion and Social returns | Epidemic and Rank models of Diffusion Network and Lock-in Effects Spillover and Social Returns to Innovation |
| Week 9 対面/face to face | Innovation and Globalization | Effects of Innovation on Jobs and Wages International Knowledge and Technology Flows: Theory and Evidence International Aspects of IPRs |
| Week 10 対面/face to face | Japan's Network Economy I | The Origins of Japanese Network Structures Emergence of Network Structures: From Meiji through Prewar |
| Week 11 対面/face to face | Japan's Network Economy II | Transformation of Network Structures: The Wartime Economy Institutionalization of Network Structures: The Postwar Economy |
| Week 12 対面/face to face | Japan's Network Economy III | Network Organization in Japan Keiretsu What Keiretsu Do: Performance Consequences |
| Week 13 対面/face to face | Japan's Economy I | High Growth Era |
| Week 14 対面/face to face | Japan's Economy II | The Bubble Burst and Recession |

【Work to be done outside of class (preparation, etc.)】

Students should expect to spend about four hours every week, besides class meetings, for readings and homework related to this class.

【Textbooks】

Textbook is not required.

【References】

Greenhalgh, C. & Rogers, M. (2010). Innovation, Intellectual Property, and Economic Growth. Princeton, NJ: Princeton University Press.

Lincoln, R. J. & Gerlach, M. L. (2004), Japan's Network Economy: Structure, Persistence, and Change. Cambridge University Press. Case Studies from Harvard Business Publishing

Ohno, K. (2006), The Economic Development of Japan: The Path taken by Japan as a Developing Country, Grips Development Forum, <https://gdforum.sakura.ne.jp/ja/pdf06/EDJ.pdf>

【Grading criteria】

Active class participation (participation in class discussions/completion of in-class tasks) is 10%

Homework (40%)

2 Exams (25% each)

【Equipment student needs to prepare】

Hosei Learning Management System and Zoom will be utilized

【Others】

Prerequisites: Students should have taken some basic courses in Economics.