

Graduate School of Economics, Waseda University
2020 Doctoral Course seminar list

◆Doctor Program: Economics Major

| Course | Research Area | Research Subject | Supervisor | | Language Japanese(J) or English(E) | | Code |
|------------------|-----------------------------|--------------------------------------|------------|-------------------------------------|---|---|------|
| Economics Course | Economic Theory | Theoretical Economics | | Associate Prof. ARAKI, Kazunori | J | E | 1Y3 |
| | | | | Associate Prof. ISHIKAWA, Ryuichiro | J | E | 1Yh |
| | | | ※ | Prof. UEDA, Kozo | J | E | 1Yc |
| | | | | Prof. OGINUMA, Takashi | J | E | 1Y2 |
| | | | △ | Prof. KASAMATSU, Manabu | J | E | 1Y5 |
| | | | | Prof. KANEKO, Mamoru | J | E | 1Yb |
| | | | | Prof. KAWAMURA Kohei | J | E | 1Ye |
| | | | | Associate Prof. KVASOV, Dmitriy | — | E | 1Yf |
| | | | | Prof. SASAKURA, Kazuyuki | J | E | 1Y6 |
| | | | | Associate Prof. TANAKA, Hisatoshi | J | E | 1Y4 |
| | | | | Associate Prof. TOMURA, Hajime | J | E | 4Y9 |
| | | Mathematical Economics | | Prof. FUNAKI, Yukihiro | J | E | 1Y8 |
| | | Experimental Economics | ※ | Prof. VESZTEG, Robert Ferenc | — | E | 1Yd |
| | | History of Economics | | Prof. SAKAMOTO, Tatsuya | J | E | 1Ya |
| | Statistics and Econometrics | Econometrics | | Prof. KONDO, Yasushi | J | E | 2Y2 |
| | | | | Associate Prof. HOSHINO, Tadao | J | E | 2Yb |
| | | Statistics | ※ | Prof. SAIGO, Hiroshi | J | E | 2Y3 |
| | | Quantitative Economic Policy | ※ | Prof. UEDA, Atsuko | J | E | 2Y6 |
| | | Industrial Ecology | | Prof. NAKAMURA, Shinichiro | J | E | 2Y1 |
| | | Statistical Finance | | Associate Prof. TAMAKI, Kenichiro | J | E | 2Y7 |
| | | Finance | ※ | Prof. YAMAMOTO, Ryuichi | J | E | 2Y8 |
| | | Applied Macroeconometrics | | Associate Prof. KATAYAMA, Munechika | J | E | 2Yc |
| | | | | Prof. BAAK, Saang Joon | J | E | 2Y9 |
| | Economic History | Economic History of Europe | | (Not decided) | | | |
| | | Economic History of Japan | | Prof. KAWAGUCHI, Hiroshi | J | — | 3Y3 |
| | | Global Economic History | | KOBAYASHI, Kazuo | J | E | 3Y6 |
| | | Japanese Economy in the Modern World | ※ | Prof. SHIZUME, Masato | J | E | 3Y4 |
| | | Economic History of Asia | ※ | Prof. MOTONO, Eiichi | J | E | 3Y5 |
| | Economic Policy | Theoretical Economic Policy | | (Not decided) | | | |
| | | Industrial Organization Economics | | (Not decided) | | | |
| | | Agricultural Economics | | Associate Prof. SHIMOKAWA, Satoru | J | E | 4Ya |
| | | Money and Banking | | Prof. OGURA, Yoshiaki | J | E | 4Y6 |
| | | Methodology for Political Economy | | Prof. SHIMIZU, Kazumi | J | E | 4Y7 |
| | | Applied Macroeconomics And Finance | ※ | Associate Prof. KOEDA, Junko | J | E | 4Y8 |
| | Public Policy | Social Policy | | Prof. SHIRAKI, Mitsuhide | J | E | 5Y1 |
| | | Social Security | | (Not decided) | | | |
| | | Personnel Economics | | Prof. OWAN, Hideo | J | E | 5Yb |
| | | Labor Economics | | Prof. MURAKAMI, Yukiko | J | E | 5Y3 |
| | | Public Economics | ※※ | Prof. SUGA, Koichi | J | E | 5Y4 |
| | | | | Associate Prof. ADACHI, Tsuyoshi | J | E | 5Yc |
| | | Public Finance | | (Not decided) | | | |
| | | Environmental Economics | | Prof. ARIMURA, Toshihide | J | E | 5Y7 |

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|---------------------------------|--|--|-----------------------------------|-----------------------------------|---|-----|-----|
| Economics Course | International Economy | Public Policy | ※ | Prof. FUKUSHIMA, Yoshihiko | J | E | 5Y8 |
| | | Health Economics | | Prof. NOGUCHI, Haruko | J | E | 5Y9 |
| | | Political Economy | | Associate Prof. ASAKO, Yasushi | J | E | 5Ya |
| | | International Economics | | Prof. KANEKO, Akihiko | J | E | 6Y6 |
| | | | | Prof. NAITO, Takumi | J | E | 6Y3 |
| | | | | Associate Prof. HAMANO, Masashige | J | E | 6Y8 |
| | | Development Economics | | Prof. FUKAGAWA, Yukiko | J | E | 6Y4 |
| | | Asian Economy | ※ | Prof. TODO, Yasuyuki | J | E | 6Y7 |
| | | Global Political Economy | | Prof. KONISHI, Hideki | J | E | 6Y5 |
| | | Spatial Economics | | Associate Prof. SAITO, Yukiko | J | E | 6Y9 |
| | | Economics of Development and Environment | | Associate Prof. TAKAHASHI, Ryo | J | E | 6Ya |
| Global Political Economy Course | International Economics | | Prof. KANEKO, Akihiko | J | E | 6E6 | |
| | | | Prof. NAITO, Takumi | J | E | 6E3 | |
| | | | Associate Prof. HAMANO, Masashige | J | E | 6E8 | |
| | Development Economics | | Prof. FUKAGAWA, Yukiko | J | E | 6E4 | |
| | Asian Economy | ※ | Prof. TODO, Yasuyuki | J | E | 6E7 | |
| | Global Political Economy | | Prof. KONISHI, Hideki | J | E | 6E5 | |
| | Spatial Economics | | Associate Prof. SAITO, Yukiko | J | E | 6E9 | |
| | Development Economics, Environmental Economics | | Associate Prof. TAKAHASHI, Ryo | J | E | 6Ea | |
| | Quantitative Economic Policy | ※ | Prof. UEDA, Atsuko | J | E | 2E6 | |
| | Agricultural Economics | | Associate Prof. SHIMOKAWA, Satoru | J | E | 4Ea | |
| | Methodology for Political Economy | | Prof. SHIMIZU, Kazumi | J | E | 4E7 | |
| | Public Economics | | Prof. SUGA, Koichi | J | E | 5E4 | |
| | | | Associate Prof. ADACHI, Tsuyoshi | J | E | 5Ec | |
| | Environmental Economics | | Prof. ARIMURA, Toshihide | J | E | 5E7 | |
| | Public Policy | ※ | Prof. FUKUSHIMA, Yoshihiko | J | E | 5E8 | |
| | Political Economy | | Associate Prof. ASAKO, Yasushi | J | E | 5Ea | |

* It may be that the seminar, the subjects and the supervisor will change.

* The supervisor, who is marked "△" at the list above, will recruit the students, only for April 2020.

* The supervisor, who is marked "□" at the list above, will recruit the students for September 2020.

* The supervisor, who is marked "※" at the list above, will not recruit the students in 2020.

* The supervisor, who is marked "※※" at the list above, has restriction for recruit, please contact GSE office for details.

* Language J: The supervisor provides instruction in Japanese.

Language E: The supervisor provides instruction in English.

Introduction of Doctoral Course Supervisor

[A](#) [B](#) [F](#) [H](#) [I](#) [K](#) [M](#) [N](#) [O](#) [S](#) [T](#) [U](#) [V](#) [Y](#)

A

| | | | |
|----------------|---|------------|--|
| Field of Study | Public Economics | Supervisor | ADACHI, Tsuyoshi |
| | | | [Associate Professor] Doctor of Economics, Waseda University |
| Instruction | This course instructs how to research on mechanism design, social choice theory, and game theory. The course not only gives the expert knowledge about the research theme but also instructs what highly evaluated research is and how you make your research stand out. The goal of this course is to train you to acquire ability to produce the research results which can be accepted by refereed journals. | | |

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|----------------|--|------------|-----------------------|
| Field of Study | Theoretical Economics | Supervisor | ARAKI, Kazunori |
| | | | [Associate Professor] |
| Instruction | While economic theory saw significant progress during the last century, it still faces many challenges. In particular, its explanatory power is attenuated by the existence of multiple equilibria, and even some of the most widely accepted theories continue to fail empirical tests. | | |
| | <p>Among the approaches that show most promise of overcoming these difficulties, I believe the “evolutionary approach” to be the most effective and to have the greatest potential. This approach tries to explain human behavior (including economic decision-making) through the concepts of “nature” and “nurture.” In other words, both biological evolution and learning from the environment play major roles.</p> <p>A number of important questions command our attention, among them:</p> <ul style="list-style-type: none">● Why do we behave “as if” we have our own “utility function” with a particular functional form?● Why does the expected utility theory often fare so badly in experimental settings?● Why is the time inconsistency in preference so robust? <p>To conduct original research in this field, a solid foundation is required. Microeconomic theory at an advanced level and the mathematics that goes with it are absolutely essential.</p> | | |

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|----------------|--|------------|---|
| Field of Study | Environmental Economics | Supervisor | ARIMURA, Toshihide |
| | | | [Professor] Ph.D. in Economics from University of Minnesota |
| Instruction | Students are expected to conduct research in environmental economics or energy economics with an approach of microeconometrics. The knowledge of graduate level of econometrics and microeconomics are required. The focus will be on empirical research with micro data. The computer skill and knowledge in statistical software will be required. | | |

| Field of Study | Political Economy | Supervisor | ASAKO, Yasushi |
|----------------|--|------------|---|
| | | | [Associate Professor] Ph.D. in Economics from University of Wisconsin-Madison |
| Instruction | This course is for students who plan to write a doctor thesis related to public choice, political economy, or formal model theory in political science, that is, the theoretical analyses on policy making procedures of the government. Students who are interested in the theoretical analysis on international relations can also take this course. This course is mainly use game theoretical analyses, so if you plan to use only empirical analysis, case studies, historical studies, and Macroeconomic theory, you should NOT take this course. You can know my research topics from the following textbook. | | |
| | <ul style="list-style-type: none">● Scott Gehlbach, Formal Models if Domestic Politics, Cambridge University Press. We mainly discuss about the progress reports of the students' research and surveys in class. Prerequisites for the students are game theory (Game Theory II) and microeconomics at graduate level. We mainly discuss about the progress reports of the students' research and surveys in class. | | |

B

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|----------------|---|------------|--|
| Field of Study | Applied | Supervisor | BAAK, Saang Joon |
| | Macroeconometrics | | [Professor] Ph. D. in Economics from University of Wisconsin-Madison |
| Instruction | The purpose of this class is to learn how to analyze economic data using advanced time-series econometrics to explore various economic issues. The current research topics of the instructor are the followings: (1) Expectation formation functions and market dynamics; (2) Measuring misalignment in exchange rates; (3) Impact of exchange rates on trade and investment. In addition, the instructor often analyzes the data of East Asian economies. Applicants for this class should have a strong background in quantitative analysis, and should be able to use at least one of the following soft-wares: Matlab, Gauss, Rats, EvIEWS, Stata, JMulti, R. Both English and Japanese can be used for individual instructions depending on the needs of students. However, a thesis should be written in English. | | |

F

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|----------------|--|------------|------------------|
| Field of Study | Development | Supervisor | FUKAGAWA, Yukiko |
| | Economics | | [Professor] |
| Instruction | This course aims to study the relations between institutions and economic development, mainly through the experience of East Asian economies. Specifically, responses against various external shocks such as trade and FDI liberalization, industrial changes, financial modernization, social safety-nets are focused. Students are expected to read theoretical and empirical studies on institutions intensively, to discuss how the changes contribute to the policy goals, including proper sequences and good governance. Besides basic level of development economics and English skills, basic East Asian language skills are encouraged for documents surveys and raw data, in addition to interests on Japan's experience such as modern Japanese economic history. | | |

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|----------------|--|------------|--|
| Field of Study | Public Policy | Supervisor | FUKUSHIMA, Yoshihiko |
| | | | [Professor] Doctor of Philosophy in Economics from Stockholm University (Sweden) |
| Instruction | This course supports students who are going to write a doctoral thesis theoretically and/or empirically on the subject of “Labour Economics” in a broad sense. Namely, it includes such topics as “employment” , “unemployment”, “human capital”, “wage”, “education”, “training”, “discrimination”, “labour union”, “job change/turnover”, “family/home production”, “well-being” etc. The title of the course is “Public Policy”, but the course focuses on policies and institutions mainly related to “labour” and “labour market”. It's desirable that the thesis deals with some policies and/or institutions that may improve social welfare. Many research materials such as articles and textbooks are in English. Therefore, in addition to knowledge about economics and mathematics, the course requires that students can read and write English. Students who have a strong will for pursuit of truth regarding labour and labour market are very much welcomed | | |

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|----------------|--|------------|---|
| Field of Study | Mathematical Economics | Supervisor | FUNAKI, Yukihiro |
| | | | [Professor] Ph. D. from Tokyo Institute of Technology |
| Instruction | The aim of participants in this lecture is to obtain original results related to Game Theory and to have publications in international journals. It also means to finish Ph.D. thesis based on these results. It is assumed that the participants should have the exact knowledge of basic mathematics, Microeconomic Theory as well as Game Theory. | | |

H

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|----------------|---|------------|---|
| Field of Study | International Macroeconomics | Supervisor | HAMANO, Masashige |
| | | | [Associate Professor] Doctorat en Science Economique de Université de Rennes1 |
| Instruction | The course covers the topics related to Open Economy Macroeconomics and study various policies and their implication based on DSGE models in open economy. Students are required to have advanced knowledge of econometrics, microeconomics and macroeconomics. English is essential. Students with high self-independence and self-respect are welcomed. | | |
| | <u>References:</u> Martin Uribe and Stephanie Schmitt-Grohe: Open Economy Macroeconomics: Princeton University Press, 2017. Maurice Obstfeld and Kenneth Rogoff: Foundations of International Macroeconomics | | |

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|----------------|--|------------|---|
| Field of Study | Econometrics | Supervisor | HOSHINO, Tadao |
| | | | [Associate Professor] Ph. D. from Tokyo Institute of Technology |
| Instruction | This course is for students who aim to get a PhD degree by researching theoretical and empirical micro-econometrics. Students are expected to perform research activities at the level of international scientific journals in (applied) econometrics. For all applicants, knowledge of graduate-level econometrics is required. | | |

I

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|----------------|--|------------|--|
| Field of Study | Theoretical Economics | Supervisor | ISHIKAWA, Ryuichiro |
| | | | [Associate Professor] Doctor of Economics, Hitotsubashi University |
| Instruction | This course deals with foundation of game theory. In particular, we focus on information disclosure and game logic which considers players' inference based on epistemic logic. Then, students are required to have basic knowledge of microeconomics, economics of information, and game theory. In addition, they should be interested in epistemic logic. | | |

K

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|----------------|---|------------|---|
| Field of Study | International Economics | Supervisor | KANEKO, Akihiko |
| | | | [Professor] Ph. D. in Economics from Osaka University |
| Instruction | In this lecture, students are supervised to write original articles related to international macroeconomics or monetary economics based on dynamic theory. Students who have completed their master theses with high quality and who have their own research themes are welcomed. | | |

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|----------------|--|------------|--|
| Field of Study | Applied Macroeconometrics | Supervisor | KATAYAMA, Munechika |
| | | | [Associate Professor] Ph. D. in Economics from University of California, San Diego |
| Instruction | This course focuses on interaction between macroeconomic theory and empirical analysis. To gain new macroeconomic insights, especially about business cycles, students can take either structural approach to take a theoretical model to the data or reduced-form approach for fact findings. For the former, students are expected to have good understandings of dynamic stochastic general equilibrium models and basic knowledge about quantitative analysis. For the latter, it is ideal that students are familiar with empirical analysis of time-series data and fluent in statistical programing languages. These are required. In addition, students are expected to be eager to learn the latest macroeconomic findings from the literature as well as to understand how the macroeconomy works. | | |

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|----------------|---|------------|--|
| Field of Study | Theoretical Economics | Supervisor | KAWAMURA, Kohei |
| | | | [Professor] D. Phil in Economics from University of Oxford |
| Instruction | Under my supervision, students are expected to develop original formal models to study real-life situations of interest concerning information and incentives, based on a solid and critical understanding of the existing literature. A laboratory experiment may be conducted if appropriate, in order to test predictions from the models. My supervisees must have a strong background in microeconomic theory and game theory, and (equally importantly) a keen interest in analysing issues in society. | | |

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|---------------------|--|------------|-------------------------------|
| Subject of Research | Global Economic History | Supervisor | KOBAYASHI, Kazuo |
| | | | PhD in Economic History (LSE) |
| Instruction | In this course, we will read recent papers and book chapters of global economic history. The topics include the British Industrial Revolution, comparative studies of long-run economic development, patterns of industrialisation, movement of people (e.g. the transatlantic slave trade and migrations) and commodity histories (e.g. silver and cotton). In the meanwhile, students will give presentations on their own research. | | |
| | I strongly recommend PhD students to give conference presentations, whether domestic or international, and publications from top journals of economic history. It must be noted that students are also required to conduct field research to prepare a thesis. | | |

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|----------------|---|------------|--|
| Field of Study | Econometrics | Supervisor | KONDO, Yasushi |
| | | | [Professor] Ph. D. in Economics from University of Tsukuba |
| Instruction | The main subject of this class is applied micro-econometrics including input-output analysis while econometric theory lies within the scope of our research interest. The class gives students opportunities to present and discuss ongoing research, and to learn advanced econometric methods if necessary. | | |

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|----------------|---|------------|--|
| Field of Study | Global Political Economy | Supervisor | KONISHI, Hideki |
| | | | [Professor] Doctor of Economics, The University of Tokyo |
| Instruction | This course deals with "New Political Economy" or "Political Economics," which analyzes the mechanisms of policy determination, their consequences, and the construction of desirable political institutions, using public economic, game theory, and public choice theory as analytical tools. Note that the topics taken in this course are not necessarily related to "global" or "international" issues, in spite of the title being named "global." Prerequisites for the students are (1) microeconomic theory, (2) non-cooperative game theory, and (3) econometrics, at graduate level. More concretely, they are required to have already learned microeconomic theory at the level of MasColell (et al.) 's or Varian's textbook, and non-cooperative game theory at the level of MasColell (et al.) 's or Gibbons' textbook. | | |

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|----------------|---|------------|--|
| Field of Study | Theoretical Economics | Supervisor | KVASOV, Dmitriy |
| | | | [Associate Professor] Ph. D. in Economics from The Pennsylvania State University |
| Instruction | In this course the students are supervised to undertake original work related to Game Theory and its applications; in particular, using game theory for studying phenomena in politics, such as voting rules and electoral competition. It is assumed that the participants have the good command of mathematics, Microeconomic Theory and Game Theory. | | |

M

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|----------------|--|------------|--|
| Field of Study | Economic History of Asia | Supervisor | MOTONO, Eiichi |
| | | | [Professor] D.Phil from University of Oxford |
| Instruction | Students of this class learn the impact of advanced industrial countries on China, mainly Republican Shanghai. The main task of this class is reading the minutes of Shanghai General Chamber of Commerce, articles of the North-China Herald, Shenbao, and consular archives of the British, American and Japanese consul-generals. | | |

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|----------------|--|------------|--|
| Field of Study | Labor Economics | Supervisor | MURAKAMI, Yukiko |
| | | | [Professor] Doctor of Economics, Waseda University |
| Instruction | This course covers research subjects in economics related to “human resources” and “labor”. Students are required to theoretically and/or empirically research and consider policies and systems on a topic pertaining to the development and allocation of human resources, the enhancement of workers’ utility, solving actual labor problems occurring in the workplace, or the utilization of human resources for innovation and economic development. The following are examples of research subjects, but other areas and new analytical viewpoints which match the above-mentioned overall research subjects are welcome. | | |
| | <ul style="list-style-type: none">● Education, human resource development, career development (including school education, in-house education and training, and public job training)● Worker mobility (international migration, regional migration, turnover, promotion, personnel relocation, etc.)● Information in the labor market, matching of workers with potential employers● Wage, income distribution● Allocation of time resources● Innovation research from the viewpoint of human resources <p>Participants should find a creative research topic, study research previously carried out on the chosen topic, develop the research using reliable methods, and complete a doctoral thesis, the finding of which should be of such a quality that is worthy of being shared internationally.</p> | | |

N

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|----------------|---|------------|---|
| Field of Study | International Economics | Supervisor | NAITO, Takumi |
| | | | [Professor] Ph. D. in Economics from Osaka University |
| Instruction | Applicants are allowed to have this research guidance (international trade theory) <u>ONLY IF</u> the supervisor is convinced that their M.A. thesis is publishable in international refereed journals (roughly better than Japanese Economic Review). Students are trained to submit their first paper to a journal, and to write another few papers constituting their Ph.D. dissertation. This research guidance is <u>NOT</u> for students doing empirical analysis of international trade, country/industry case study, trading business, international finance/macroeconomics, and so on. Applicants are <u>REQUIRED</u> to read < http://www.f.waseda.jp/tnaito/forapplicants.html >. | | |

| Field of Study | Industrial Ecology | Supervisor | NAKAMURA, Shinichiro |
|----------------|---|------------|--|
| | | | [Professor] Dr.rer.pol from University of Bonn |
| Instruction | Industrial Ecology (IE) is concerned with the investigation of the interdependence between economy and environment, in particular, the quantitative evaluation of the environmental effects of the economic activity. Critical to this are operational but yet realistic mathematical models that are capable of representing the economy-environment relationship. Recently, environmentally extended input-output models (EEIO) have become widely acknowledged as such a model. Nakamura has made original contribution to this development by creating the WIO (Waste IO) model. This course is aimed at making the students familiar with the latest developments in the field of IE and EEIO, and help conducting research toward competitive PhD thesis. | | |

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|----------------|--|------------|---|
| Field of Study | Health Economics | Supervisor | NOGUCHI, Haruko |
| | | | [Professor] Ph. D. in Economics from The Graduate Center, City University of New York |
| Instruction | Lately, medical and long-term care claims data as well as some excellent panel-setting surveys focusing on people’s health and health care had been conducting for the last couple of decades. This course would give you a guideline how we can apply these micro-based data to health and health care-related policy issues and what kind of econometric tools are applicable. Using Wooldridge JM (2010)”Econometric Analysis of Cross Section and Panel Data (2 nd Ed)” MIT Press as a main textbook, we will review previous empirical literatures in the class and consider thoroughly what kind of policy research would be necessary for health and health care policy issues faced by current Japanese government. | | |

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|----------------|--|------------|------------------|
| Field of Study | Theoretical Economics | Supervisor | OGINUMA, Takashi |
| | | | [Professor] |
| Instruction | This research seminar treats both individual choice and game theory. Participants are supposed to study and explain the works in their research fields periodically. Also they must present original works to write their research papers. Prerequisite: Basics of microeconomics, game theory and mathematics are required. | | |

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| Field of Study | Money and Banking | Supervisor | OGURA Yoshiaki |
| | | | [Professor] Ph. D. in Economics from Columbia University |
| Instruction | This seminar is for doctoral students who are intended to conduct empirical researches on financial intermediations and corporate finance, based on relevant microeconomic models. Participants are required to write a research paper every year that reasonably deserves submission to an international refereed academic journal. Participants are required to have the knowledge at the same level as the advanced courses on microeconomics (especially, economics of information) and econometrics (especially, microeconometrics) for the prospective doctoral students at our school. It is also preferable to have the master's level of the knowledge on finance, banking, and industrial organization. | | |

| Field of Study | Personnel Economics | Supervisor | OWAN, Hideo |
|----------------|---|------------|--|
| | | | [Professor] Ph.D. in Business from Stanford University |
| Instruction | Students are expected to choose topics in labor economics, especially personnel economics which focuses on the functions of internal labor markets, or organizational economics, which studies about the optimal design of organizations. Students will master methodologies (both modeling and identification techniques) used to study topics such as human capital, job assignment, incentive contracting, tournament, turnover, hiring, wage dynamics, team production, manager productivity, adaptation and coordination, gender gaps, elderly worker employment, intra-firm innovation, etc. I am also keen on training students to become data scientists which are seriously in shortage in industry. Those who are interested in analyzing internal corporate data such as personnel records from real firms will receive support in acquiring data and participating in collaboration projects with industry. | | |

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|----------------|--|------------|--|
| Field of Study | Statistics | Supervisor | SAIGO, Hiroshi |
| | | | [Professor] Master of Economics, Waseda University |
| Instruction | Main topics of this course are survey statistics and statistical methods for handling incomplete data. Among specific themes are sampling designs, resampling methods, and small area estimation. The instructor's research interests are in resampling methods for surveys and missing data analysis. If they are interested in applied work, students are advised to find other supervisors. | | |

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| Field of Study | Spatial Economics | Supervisor | SAITO, Yukiko |
| | | | [Associate Professor] Ph.D. in Physics from University of Tokyo |
| Instruction | The purpose of this course is to learn about economic phenomena related to geographical space, especially associated with inter-firm network. While we mainly conduct empirical analysis and consider implication to the real world, understanding theoretical background is inevitable. Students are required to have sufficient knowledge on statistics, econometrics and microeconomics. Moreover, in addition to the ability to read English empirical research papers, the ability to disseminate research results to the society, and willingness to publish international refereed journals are required. | | |

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|----------------|---|------------|--|
| Field of Study | History of Economic Thought | Supervisor | SAKAMOTO,Tatsuya |
| | | | [Professor] Doctor of Economics from Keio University |
| Instruction | This course intends to provide the students with an opportunity to acquire the expert knowledge and research skill in the history of economic thought. While my specialty is eighteenth-century British economic thought represented by David Hume and Adam Smith, the academic interests of the students will be respected and my instruction covers a wide range of subjects from seventeenth- and eighteenth-century western economic thought to Japanese economic thought after the Meiji Restoration. | | |
| | The main method of instruction is first, an intensive reading of economic classics and discussion, second, a study of classical researches in the field and discussion, and third, a practical guidance in topnotch bibliographical searches and high-quality academic writing required for submitting a doctorate degree dissertation. In either way, the students' positive and original research interests are highly valued. An adequate knowledge in the relevant fields above the level of master's degree is expected from the students. | | |

| Field of Study | Theoretical Economics | Supervisor | SASAKURA, Kazuyuki |
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| | | | [Professor] Doctor of Economics,Waseda University |
| Instruction | Macroeconomic theory, particularly dynamic theory such as business cycle theory and economic growth theory, is studied (Empirical analysis is not a main theme). Theoretical macro models studied include the traditional or New Keynesian model and the neoclassical models of optimal growth and overlapping-generations. Mathematical theories used include nonlinear theory concerning the existence of periodic solutions and chaos, and the optimization theory such as the calculus of variations and dynamic programming. In order to understand modern macroeconomic theory, applicants are required to have some knowledge of statistics and econometrics, too. | | |

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|----------------|---|------------|---|
| Field of Study | Methodology for Political Economy | Supervisor | SHIMIZU, Kazumi |
| | | | [Professor] Doctrat de Théorie Economique de Université de GrenobleII |
| Instruction | Traditionally, economics has assumed that the economic subjects were “rational” and “independent”: “homo economicus”. However, a trend has gained momentum in recent years, in which both mainstream and anti-mainstream are interested in ruling out the assumption of “homo economicus”. Along these lines, our actual research has two objectives: | | |
| | <div><div>1.</div><div>Analyze moral sentiments like “fairness” as one of the basic incentives of human economic behaviors.</div></div> <div><div>2.</div><div>Coordinate deductive research of “norms”, like social choice theories, with its inductive studies, like social survey and experiment.</div></div> | | |

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|----------------|---|------------|--|
| Field of Study | Agricultural Economics | Supervisor | SHIMOKAWA, Satoru |
| | | | [Associate Professor] Ph.D. in Applied Economics from Cornell University |
| Instruction | This course focuses on microeconomic and statistical analysis of food-, health- and poverty-related issues in both developed and developing economies. In a seminar, students will take turns to present an academic paper published in top journals. Students will also need to present their own research. Students are expected to have the master-level knowledge of Microeconomics and Econometrics. Also, excellent communication skills in written and spoken English are essential. | | |

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| Field of Study | Social Policy | Supervisor | SHIRAKI, Mitsuhide |
| | | | [Professor] Doctor of Economics, Waseda University |
| Instruction | Though there could be a variety of objects and approaches to study in the wide field of social policy, my main study focus is centered on the analysis of actual conditions and policies of human resource development and management in the modern enterprises. Specifically, I have been conducting international comparisons of human resource development and management systems and policies of multinational corporations. My main field of study is in the Asian region. My research motto is keeping “the foot-light research style”. | | |
| | I cordially welcome those doctoral dissertation writers who have strong and passionate concerns for actual labor market problems, labor policy, human resource development and management in enterprises, or Asian matters. | | |

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| Field of Study | The Japanese Economy in the Modern World | Supervisor | SHIZUME Masato |
| | | | [Professor] Doctor of Economics, Kobe University |
| Instruction | In this course, students will engage in empirical research and writing about topics related to the modern Japanese economy. They will develop and expand upon the fruits of their research at the master’s degree level. Students are expected to participate in scholarly symposia and to read previous studies in related fields thoroughly, and in doing so, to find the scholarly frontier. While employing the appropriate research methods corresponding to their problems, students are expected to publish their findings in both Japanese-language and English-language academic journals. | | |

| Field of Study | Public Economics | Supervisor | SUGA, Koichi |
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| | | | [Professor] Doctor of Economics, Hitotsubashi University |
| Instruction | The purpose of this course is to enhance the research ability of students in order to get Ph.D. when they finish the three-year doctor program. I will assign tasks to examine papers analytically and rigorously which are related to their own subject in the field of public economics. I also force them to acquire the skills to pursue his researches and to write papers. The students are expected to accomplish one or two papers in a year. For the future study fundamental knowledge about various fields of public economics and public policy must be required. Hence the students have an obligation to make exercises on the basic advanced textbooks. | | |
| | Bibliography : D. Austen-Smith and J. S. Banks, <i>Positive Political Theory</i> I, II, Michigan UP, 1999, 2005. K. J. Arrow, A. Sen and K. Suzumura eds., <i>Handbook of Social Choice and Welfare</i> , Vol. 1 and 2, North-Holland, 2002, 2011. H. J. Moulin, <i>Fair Division and Collective Welfare</i> , MIT Press, 2003. A. Sen, <i>The Idea of Justice</i> , Belknap Press of Harvard University Press, 2009. A. Sen, <i>TCollective Choice and Social Welfare: Expanded Edition</i> , Penguin, 2017. | | |

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| Field of Study | Economics of Development and Environment | Supervisor | TAKAHASHI, Ryo |
| | | | [Associate Professor] Ph.D. in International Studies from University of Tokyo |
| Instruction | Doctoral students are expected to conduct research related to development economics or environmental economics in developing countries. Doctoral students need to select the research topic and learn how to conduct quantitative research including its planning, data collection, quantitative analysis, and thesis writing. Econometrics at the graduate level, statistical software, and English for reading, writing, and speaking are required. | | |

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| Field of Study | Statistical Finance | Supervisor | TAMAKI, Kenichiro |
| | | | [Associate Professor] Doctor of Science, Waseda University |
| Instruction | We study statistical asymptotic theory and its applications to analysis of financial time series. The aim of students is to obtain original results and submit them to journals. A knowledge of mathematics and statistics is prerequisite for this course. Students are expected to participate and present their works in academic societies and meetings. | | |

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| Field of Study | Theoretical Economics | Supervisor | TANAKA, Hisatoshi |
| | | | [Associate Professor] Ph.D. in Economics from University of Wisconsin - Madison |
| Instruction | In this course, students are required to develop new mathematical or statistical tools to study economics. Participants are expected to have a sufficient knowledge of mathematics and asymptotic statistics, and broad research interests in economics. | | |

| Field of Study | Asian Economy | Supervisor | TODO, Yasuyuki |
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| | | | [Professor] Ph.D. from Stanford University |
| Instruction | The purpose of this course is to foster global leaders through quantitative research (its planning, field works, data collection, quantitative analysis, thesis writing, and oral presentations). English is the official language in this course, and students make presentations on their own research and related literature. The instructor's research topics include empirical analysis on impacts of economic and social networks on economic growth and development, impacts of trade and foreign direct investment on firm productivity and employment, and impact evaluation of foreign aid projects. Research topics of doctoral students should be related to these topics, and doctoral students are encouraged to participate in the instructor's research projects. Econometrics at the graduate level and English for reading, writing, and speaking are required. Please refer to the instructor's website at http://www.f.waseda.jp/yastodo/en/index.html . | | |

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| Field of Study | Theoretical Economics | Supervisor | TOMURA, Hajime |
| | | | [Associate Professor] Ph.D. from University of London |
| Instruction | <div>1. This course is suitable for students who are interested in writing doctoral theses on theoretical models of financial contracts or dynamic general equilibrium models with financial constraints. See the following references for examples of these types of models. (Microeconomic model)<ul style="list-style-type: none">- Xavier Freixas and Jean-Charles Rochet, 2008, Microeconomics of Banking, MIT Press.(Macroeconomic model)<ul style="list-style-type: none">- Stephen Williamson, 1987, “Recent Developments in Modeling Financial Intermediation”, Quarterly Review 1132, Federal Reserve Bank of Minneapolis.</div> <div>2. For this course, students would be required to have mathematical knowledge on constrained optimization theory and game theory at graduate level. Also, it would be mandatory to understand the economics of information to the level of Ch.7-Ch.14 in Mas-Colell, Whinston, and Green (1995).<ul style="list-style-type: none">- Andreu Mas-Colell, Michael D. Whinston, and Jerry R. Green, 1995, Microeconomic Theory, Oxford Univ Press.Those who are interested in dynamic general equilibrium models would also need to be able to use difference and differential equations, linear algebra, dynamic programming, and computer programming.</div> <div>3. Applicants for this course must be aware that the supervisor’s expertise is in mathematical economic theory, rather than empirical analysis or financial engineering.</div> | | |
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| Field of Study | Theoretical Economics | Supervisor | UEDA, Kozo |
| | | | [Professor] D.Phill from University of Oxford |
| Instruction | This course concerns macroeconomic theory and practice. Students tackle a number of questions regarding the macro economy, from a positive side (e.g., why has Japan faced with the prolonged recession?) to a normative side (e.g., what should the government do to recover the Japanese economy?). To this end, students study (1) a workhorse macroeconomic model, a DSGE (dynamic stochastic general equilibrium) model, and (2) current economic situations and problems. | | |
| | To take this course, first and foremost, students must have strong motivations and curiosities. In addition, students are required to have sufficient understandings on mathematics and statistics, while knowledge on undergraduate macroeconomics does not matter much. | | |

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| Field of Study | Experimental Economics | Supervisor | VESZTEG, Robert Ferenc |
| | | | [Professor] Ph.D. from Universitat Autònoma de Barcelona |
| Instruction | Seminar A (Spring semester) focuses on methodological issues rather than experimental results. | | |
| | During the first half of the semester, we are going to discuss the basic principles of designing and carrying out economics experiments. This part relies on Friedman and Cassar (2004) and includes practical topics related to data collection (designing the experiment, writing instructions, programming in zTree, running the experiment) and data analysis (review of the most popular statistical techniques and the use of statistical software). The second half of the semester is dedicated to critical reflection on the methodology of Experimental Economics. We are going to read selected chapters from Bardsley et al. (2009) and discuss the internal and external validity of experimental results, the importance of monetary incentives in experimental economics, and how to test economic theory in the experimental laboratory. | | |
| | Seminar B (Fall semester) focuses on experimental results rather than methodological issues. | | |
| | Students are required to register with some specific research questions in mind and are going to work in groups (or alone if preferred). The first half of the semester is dedicated to the revision of the theoretical and experimental literature related to the chosen research questions. The second half of the semester is dedicated to the design of experiments that are suitable to deliver an answer to the chosen research questions. | | |

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| Field of Study | Finance | Supervisor | YAMAMOTO, Ryuichi |
| | | | [Professor] Ph.D. from Brandeis University |
| Instruction | Finance is the study of mechanisms on asset transactions, risk management, and investment decisions. While students can pick any research topics, which interest them, for their PhD theses, they are expected to choose topics related to theoretical or empirical research in finance, in particular, research on market microstructure or behavioral finance. Students will learn how to find research topics, write papers, and make effective presentations. | | |