Department of Social Engineering

◆ Economics Program

1. Program Outline

Economics Program offers advanced courses in microeconomics, macroeconomics, econometrics, game theory, and cognitive psychology, among others. Students will also study basic fields such as mathematics, statistics, and optimization theory, if necessary. All students in this program are required to participate in the work-in progress seminars. Furthermore, they are encouraged to present papers at international conferences and to gain work or research experience in Japan and abroad by using the intern system.

2. Graduation Requirements

【Master's degree】
・30 credits or more from the graduate school courses.
・8 credits from the Seminar Courses. (講究科目)
・26 credits or more from the Research Courses (研究科目群) and Courses by Departments(専門科目群).
・2 credits or more from the Liberal Arts and General Education(G). (大学院教養・共通科目群)
・4 credits from the Work-in-Progress Seminars I-IV.
・14 credits or more from the following courses:

Philosophy of Law (2 credits), Historians and Economists (2 credits), Advanced Non-cooperative Game Theory (2 credits), Advanced Microeconomics (2 credits), Advanced Macroeconomics (2 credits), Advanced Topics in Economics I (2 credits), Advanced Topics in Economics II (2 credits), Advanced Economic Theory (2 credits), Econometric Analysis (2 credits), Econometrics: Applications and Development (2 credits), Advanced Cooperative Game Theory (2 credits), Introductory Cognitive Psychology (2 credits), and Advanced Topics in Optimization.

・Master's-thesis examination and the final examination.

【Doctoral degree】
For a Doctoral degree, an advanced candidate must satisfy the following requirements:
・12 credits from the Seminar Courses in all terms.
・4 credits from Planning Administration A and Planning Administration B in the case of a student with fulltime job.
・2 or more scores:

Publication in an international refereed journal (1.2); publication in a domestic refereed journal (0.5); paper presentation at an international conference organized by scholars coming from more than four countries (0.3); discussion paper in English approved by the supervisor and two or more other professors (0.5); study/research abroad or joint research activity with documented outcomes (0.3).
For details, consult your supervisor.

・Submitting a thesis for the degree and passing the final examination and the evaluation of the thesis.

The minimum period of study is three years in total, which include both the Master's and Doctoral program for the both degrees. Note that the above requirements are minimal and some additional requirements may be conditioned depending on the special course.

All students are strongly advised to consult with their own supervisors about courses provided in the program and their study plans.

◆ Public Policy Design Program

1. Program Outline
In Public Policy Design Program, students are supposed to develop their faculties in their own disciplines and to gain a critical perspective on the disciplines by studying research topics in related areas.

2. Graduation Requirements
【Master's degree】
・30 credits or more from the graduate school courses.
・8 credits from the Seminar Courses. (講究科目)
・20 credits or more from the Research Courses (研究科目群) and Courses by Departments(専門科目群).
・2 credits or more from the Liberal Arts and General Education(G). (大学院教養・共通科目群)
・Master's-thesis examination and the final examination.

【Doctoral degree】
For a doctoral degree, an advanced candidate must satisfy the following requirements:
・12 credits from the Seminar Courses in all terms.
・2 credits from Planning Administration A and Planning Administration B in the case of a student with fulltime job.
・Publication of two articles in a refereed journal
・Submitting a thesis for the degree and passing the final examination and the evaluation of the thesis.

The minimum period of study is three years in total, which include both the Master's and Doctoral program for the both degrees. Note that the above requirements are minimal and some additional requirements may be conditioned depending on the special course.

All students are strongly advised to consult with their own supervisors about courses provided in the program and their study plans.

◆ Environmental Design Program

1. Program Outline
The Environmental Design Program aims to provide intellectual skills in designing the structure of public space, local community, and urban area. The program is also intended to develop students' ability to explore a public problem and solve it.

2. Graduation Requirements
【Master's degree】
・30 credits or more from the graduate school courses.
・8 credits from the Seminar Courses. (講究科目)
・18 credits or more from the Research Courses (研究科目群) and Courses by Departments(専門科目群).
・2 credits or more from the Liberal Arts and General Education(G). (大学院教養・共通科目群)
・10 credits or more from the following courses:
  Advanced Theories and Practices of Urban and Community Design (2 credits), Advanced Course of Regional Planning (2 credits), Historians and Economists (2 credits), Advanced Topics of Civic Design (2 credits), Advanced Course of Intelligent Space Design (2 credits), Advanced Course of Community Design (2 credits), and Advanced Theories and Practice of Urban Land Use Planning (2 credits).
・Master's-thesis examination and the final examination.

【Doctoral degree】
For a doctoral degree, an advanced candidate must satisfy the following requirements:
・12 credits from the Seminar Courses in all terms.
・2 credits from Planning Administration A and Planning Administration B in the case of a student with fulltime job.
・Publication of two articles in a refereed journal
・Submitting a thesis for the degree and passing the final examination and the evaluation of the thesis.

The minimum period of study is three years in total, which include both the Master's and Doctoral program for the both degrees. Note that the above requirements are minimal and some additional requirements may be conditioned depending on the special course.

All students are strongly advised to consult with their own supervisors about courses provided in the program and their study plans.

[Important]
Following the education reform in April 2016, in principle, new courses equivalent to those currently available will be offered.
Regarding the newly offered courses, please check the cross-reference table that will be available on Tokyo Tech's website at a later date.