Syllabus for Graduate School of Economics

Subject	Macroeconomics II (E)	Semester, Date and Period of the class	Spring Semester Tuesday, 5th Period
Subject selection	Basic Course	Years	1-2
Instructor	Yasuhiro DOI (Graduate School of Economics)		

Purpose and aim of the class:

This course will cover Macroeconomic issues, mainly focusing on investment regarding business fluctuations, unemployment, and economic growth. The business cycles fluctuate in the short-term, based on amount of investment in an economy. In the long-term, investment represents the accumulation of productive capital, which plays a central role in long term economic growth. In this course students will learn background ideas and models, to understand the importance of investment in an economy.

Class content

1	Introduction
2	What is the investment and the capital?
3	Business Cycles (1)
4	Business Cycles (2)
5	Unemployment (1)
6	Unemployment (2)
7	Midterm
8	Economic Growth: Introduction
9	Economic Growth: Solow Model (1)
10	Economic Growth: Solow Model (2)
11	Economic Growth: Solow Model (3)
12	North-South divide
13	Catch-up Effects
14	Economic Integration
15	Concluding Remarks

Evaluation:

Midterm 25%, Homework(Summery and comments for each class) 25%, and Final 50%

Direction for preliminary study:

Macroeconomics I

Textbooks and Reference books:

Robert J. Barro (1997) “Macroeconomics,” The IMT Press.
Robert J. Barro and Xavier Sala-I-Martin (1995) “Economic Growth,” McGraw-Hill, Inc.
And more

Notice to students:

Subject	Management II (E)	Semester, Date and Period of the class	Spring Semester Thursday, 3rd Period
Subject selection	Basic Specialized Courses	Years	1-2
Instructor	LEE Wan Ling (Graduate School of Economics)		

Purpose and aim of the class:

This course aims to give a comprehensive knowledge to students about the functioning of organization and the role of managers in achieving organization's goal. The concept of planning, organizing, leading and controlling are introduced to students with a practical approach. Students will compare and discuss the management practices and give their view on different management practices pursued in the corporate.

Class content

1	Introduction to Organizational Behavior
2	Organizational Diversity
3	Emotions and Moods
4	Personality and Values
5	Attitudes and Job Satisfaction
6	Perception and Individual Decision Making
7	Midterm Exam
8	Motivation: From Concepts to Applications
9	Foundations of Group Behavior
10	Communication
11	Power and Politics
12	Conflict and Negotiation
13	Organizational Change and Stress Management
14	Closing Session
15	Final Exam

Evaluation: Assignment (30%), midterm (20%), final exam (30%), class participation (20%)
Direction for preliminary study: Introductory Management I
Textbooks and Reference books: Robbins, S. P. & Judge, T. A. (2018). *Organizational Behavior.* 18th edition, Pearson.
Notice to students:

Subject	Special Lectures for Basic Subjects (Advance Income Theory I) (E)	Semester, Date and Period of the class	Spring Semester Tuesday, 3rd Period
Subject selection	Basic Courses	Years	1-2
Instructor	Noritaka KUDOH (Graduate School of Economics)		

Purpose and aim of the class:

This course is designed to build your research ability by providing particularly important methodological skills that are often used in modern macroeconomic research. In particular, we shall focus on (1) difference equations for describing variables that evolve over time, and (2) dynamic optimization methods for describing the optimal allocation over time.

After this course, students should be able to (1) solve any system of difference equations; (2) solve any dynamic optimizing problem using either by Lagrange method or by dynamic programming; and (3) read and understand advanced textbooks and professional articles in the field of macroeconomics.

Class content

1	Introduction
2	Difference Equations: Linear Scalar Equations
3	Difference Equations: Nonlinear Equations and Linearization
4	Difference Equations: Linear Systems
5	Difference Equations: Nonlinear Systems
6	Dynamic Optimization: Finite Horizon
7	Dynamic Optimization: Infinite Horizon
8	Neoclassical Growth: Global Analysis
9	Neoclassical Growth: Local Analysis
10	Dynamic Programming: Basic Idea
11	Dynamic Programming: Functional Analysis
12	Dynamic Programming: Applications
13	General Equilibrium: Competitive Equilibrium
14	General Equilibrium: Extensions
15	Imperfect Competition

Evaluation:

There will be 5-7 take-home assignments during the semester. Each assignment will be graded. Your course grade will be determined as the average of these grades. To pass the course, you must earn C or above for each assignment. In each assignment, you are expected to demonstrate that you can solve difference equations and dynamic optimization problems in the context of macroeconomics.

Direction for preliminary study:

There will be 5-7 take-home assignments. Each assignment consists of many (time-consuming) questions. Some questions require computers.

Textbooks and Reference books:

Following textbooks are strongly related to my lecture plan:

Oded Galor, *Discrete Dynamical Systems*, Springer, 2010.

Jianjun Miao, *Economic Dynamics in Discrete Time*, MIT Press, 2014.

Reading list and other materials will be distributed at https://sites.google.com/site/gradmacro/

Notice to student Prior to the semester, prospective students are strongly encouraged to read textbooks such as Simon and Blume, *Mathematics for Economists*, Norton, 1994, or alike. To get ready for the course, be familiar with constrained optimization, total differentiation, and matrix algebra.

Lectures of this course will be delivered entirely in English.

Subject	Special Lectures for Basic Subjects (Labor Economics B) (E)	Semester, Date and Period of the class	Spring Semester Friday, 3rd Period
Subject selection	Basic Courses	Years	2
Instructor	Noritaka KUDOH (Graduate School of Economics)		

Purpose and aim of the class:

This course is designed for 2nd year graduate students to build their research ability in the field of macro-labor economics. The course focuses on the long-run issues such as (1) technological progress and unemployment; and (2) wage inequality.

After this course, students should be able to (1) understand the frontier of research in the field of unemployment and inequality in the long run; (2) write their own computer codes to replicate existing quantitative results found in professional articles; and (3) develop their own research.

Class content

1	Dynamic Optimization in Continuous Time
2	Economic Growth: Technological Change
3	Economic Growth: Product Variety
4	Economic Growth: Directed Technological Change
5	Equilibrium Unemployment
6	Equilibrium Unemployment
7	Unemployment with Job Heterogeneity
8	Growth and Unemployment
9	Growth and Unemployment
10	Growth and Unemployment
11	Growth and Unemployment
12	Firm Heterogeneity
13	Firm Heterogeneity and Wages
14	Firm Heterogeneity and Unemployment
15	Growth and Unemployment with Firm Heterogeneity

Evaluation:

There will be 2 or 3 take-home assignments, in which students are asked to replicate theoretical and quantitative results in articles discussed in class. To pass the course, you should earn C or above for each assignment. Quantitative questions require computational packages such as Mathematica (commercial) and Maxima (free of charge).

Direction for preliminary study:

There will be 2 or 3 take-home assignments. Each lecture is based on a particular article, and students need to read each paper in advance of each class.

Textbooks and Reference books:

Christopher A. Pissarides, *Equilibrium Unemployment Theory*, 2nd edition, MIT press, 2000.
Daron Acemoglu, *Introduction to Modern Economic Growth*, Princeton University Press, 2009.
For more information, visit https://sites.google.com/site/gradlaborb/

Notice to students:
I will assume that you are familiar with dynamic optimization.
Students need to install some (free) computational packages such as Maxima in your computer.
Lectures of this course will be delivered entirely in English.

Subject	Special Lectures for Basic Subjects (Marketing B) (E)	Semester, Date and Period of the class	Spring Semester Tuesday, 1st Period
Subject selection	Basic Courses	Years	1-2
Instructor	Keiko YAMAGUCHI (Graduate School of Economics)		

Purpose and aim of the class:

This course aims to introduce basic knowledge about experimental designs and statistical methods to plan empirical analyses of marketing, enhance their research abilities, and help them conduct their research in graduate school. This course is designed for students who seek to conduct original research in the field of marketing science.

The goals of this course are the following:

- Students will be able to choice/read appropriate academic papers/books about marketing science on their own.
- Students will be ready to plan their own research in the social science field based on the knowledge they earn in the class.

Class content

1	Introduction & Chapter 1: Introduction
2	Chapter 2: Observing Behavior (1)
3	Chapter 2: Observing Behavior (2)
4	Chapter 2: Activities
5	Chapter 3: Asking Questions (1)
6	Chapter 3: Asking Questions (2)
7	Chapter 3: Activities
8	Chapter 4: Running Experiments (1)
9	Chapter 4: Running Experiments (2)
10	Chapter 4: Activities
11	Chapter 5: Creating Mass Collaboration (1)
12	Chapter 5: Creating Mass Collaboration (2)
13	Chapter 6: Ethics (1)
14	Chapter 6: Ethics (2)
15	Chapter 7: The Future & Summary

Evaluation:

Your final grade will be calculated according to the following process:

- Class attendance and contribution to in-class discussion (50%)
- Presentation (30%)
- Short essay or in-class work on “Activities” (20%)

The requirements for passing the course are as follows:

- You can join in-class discussions with your original ideas.
- You can summarize the contents in the textbook precisely and illustrate them to the audience clearly.
- You can propose constructive ideas so that students in the class can develop their

understandings of the experimental designs and analytical methods, and they can also make their research plans.

※ If you are absent from this class more than four times, you will get "F" automatically.

Direction for preliminary study:

All participants are expected to read assigned chapter beforehand and work on “Activities” proactively in the class.

Textbooks and Reference books:

Salganik, M. J. (2017). *Bit by Bit: Social Research in the Digital Age*. Princeton Univ. Press

Notice to students:

This course will be taught in English.
Basic knowledge about marketing, mathematics, and statistics are required.
Students who skip the 1st class without prior approval by the instructor are NOT accepted.

Subject	Economic Policy (E)	Semester, Date and Period of the class	Spring Semester Tuesday, 4th Period
Subject selection	Specialized Courses	Years	1-2
Instructor	Eiji MANGYO (ERC)		

Purpose and aim of the class:

This course enhances Research Ability by learning how previous good empirical studies in development/health/labor economics established causality rather than just correlation.

Students are expected to understand the difference between correlation and causality and to have decent knowledge about research designs and econometric methods taken by previous good studies in economics to establish causality.

Class content

1	Human capital issues 1: Health and development
2	Human capital issues 2: Return to health (Econometric identification problems 1)
3	Human capital issues 3: Return to education (Econometric identification problems 2)
4	Human capital issues 4: Return to education (Econometric identification problems 3)
5	The effect of income on health: a welfare program in the US
6	The effect of income on health: lottery prizes as an exogenous source of income variation
7	The relative income hypothesis
8	The effect of macroeconomic shock on health and education
9	The effect of environment on health: early-life exposure to polluted air
10	The effect of international child sponsorship on adult life outcomes
11	The effect of early-life food shortage on later adult health
12	Ethnic complementarities in mathematics research productivity
13	The effect of parental time on infant health
14	The effect of a large-scale school construction program on education and wages
15	The role of gene-environment interactions

Evaluation:

To measure the level of understanding on the concepts covered in the course, the following assignments will be given: class presentation on a previous study (50%) and term paper (to summarize a previous study's contributions to the literature) (50%). To pass this course, (1) class presentation needs to clearly explain how a previous study of her/his choice established causality and (2) term paper makes clear the contributions of a previous study of her/his choice to the literature.

Direction for preliminary study:

Prerequisites: Basic microeconomics, Basic statistics, Introductory econometrics including fixed-effects and instrumental-variable estimations. Reference: Wooldridge. Introductory Econometrics: A Modern Approach, Chapter 14 (fixed-effects estimation) and Chapter 15 (Instrumental-variable estimation).

Textbooks and Reference books:

Reading materials are listed in the course syllabus to be distributed in the first lecture.

Notice to students:
Students are expected to complete required reading specified in the course syllabus. This course will be taught in English.

Subject	Advanced Price Theory (E)	Semester, Date and Period of the class	Spring Semester Wednesday, 2nd Period
Subject selection	Specialized Courses	Years	1-2
Instructor	Takanori ADACHI (Graduate School of Economics)		

Purpose and aim of the class:

This course is designed for serious students who seek to conduct an original research activity in the fields of microeconomics, macroeconomics, and econometrics.

After taking this course, students are expected to be fully capable of applying basic microeconomic tools and ideas to their own research agenda.

Class content

1	Utility Maximization and Demand (1)
2	Utility Maximization and Demand (2)
3	Cost Minimization and Demand (1)
4	Cost Minimization and Demand (2)
5	Relating the Marshallian and Hicksian Systems (1)
6	Relating the Marshallian and Hicksian Systems (2)
7	Nudges in Consumer Theory
8	Short- and Long-Run Demand
9	Discrete Choice and Product Quality
10	Location Choice
11	Production, Profits, and Factor Demand (1)
12	Production, Profits, and Factor Demand (2)
13	The Industry Model
14	A Price-Theoretic Perspective on the Core
15	Multiple-Factor Industry Model

Evaluation:

Based on (1) Class participation (approximately 20%) and (2) Final Exam (approximately 80%). A couple of assignments might be provided. The final exam will be a closed-book exam; students are expected to demonstrate that they have covered the material taught in this course.

Direction for preliminary study:

Students are expected to regularly review the course material after each class.

Textbooks and Reference books:

Jaffe, Minton, Mulligan, and Murphy, *Chicago Price Theory*, Princeton University Press, 2019. For necessary mathematics, reference to Jehle and Reny's (2010) *Advanced Microeconomic Theory*, 3rd Edition (Prentice Hall), is recommended.

Notice to students:

The language in class is English (including the final exam). The use of Japanese and any other languages is strictly prohibited. Students are encouraged to take Advanced Microeconomics 2, Advanced Macroeconomics 1 and 2, and Advanced Econometrics 1 and 2. They are also expected to complement necessary mathematics by the appendix to Jehle and Reny's textbook.

Subject	Development Economics (E)	Semester, Date and Period of the class	Spring Semester Thursday, 5th Period
Subject selection	Specialized Courses	Years	1-2
Instructor	Eiji MANGYO (ERC)		

Purpose and aim of the class:

This course enhances Applicable Ability by applying basic micro and macro theoretical models to issues particularly important for developing countries.

Students are expected to understand (1) how to apply micro and macro theoretical models to issues particularly important for developing countries and (2) how to interpret implications derived from (1).

Class content

1	Introduction: Preview of selected topics covered in this course
2	Land issues – Tenancy
3	Credit issues – Rural financial institutions 1
4	Credit issues – Rural financial institutions 2
5	Credit issues – Microfinance
6	Risk coping and consumption smoothing 1
7	Risk coping and consumption smoothing 2
8	Insurance tests – Empirical studies on village insurance
9	Intra-household economics
10	Labor issues – Migration
11	Economic growth 1
12	Economic growth 2
13	New growth theories
14	Complementarities in development
15	Wrap up and evaluation

Evaluation:

Final Exam (100%) is used to measure the level of understanding on the concepts covered in the course. To pass this course, students need to have decent level of understanding about the theoretical models and related issues covered in this course. If students do not take the final exam, their final grades are "Absent."

Direction for preliminary study:

Prerequisites: Basic microeconomics, Basic macroeconomics, Basic statistics, Introductory econometrics..

Textbooks and Reference books:

Debraj, Ray. Development Economics. 1998. Princeton University Press.

Other reading materials are listed in the course syllabus to be distributed in the first lecture.

Notice to students:

Students are expected to (1) complete required reading specified in the course syllabus and (2) answer key questions provided through the course website. This course will be taught in English.

Course	Financial Accounting B (2 units)	Schedule	Spring Thursday 14:45-16:15
科目区分			
Instructor	AHMADOVA Mehriban Noguchi, Akihiro (Graduate School of Economics)	office hour	Monday 13:30-14:30 （with appointment by e mail）

Course Aims
This course is intended to provide an opportunity for students to learn and understand intermediate financial accounting, which will enhance ability to do research and look for solutions for the accounting policy making.

Course Objectives
The goals of this course are to
・be able to understand and explain accounting treatments based on accounting theory.
・be able to understand and explain some advance contents of bookkeeping.

Schedule

4/16	Introduction	Presentation by	Homework
4/23	Islamic Accounting		
4/30	Chapter 19 Accounting for Income Taxes	UG	
5/7		G	
5/14	Chapter 20 Accounting for Pensions	UG	
5/21		G	
5/28	Chapter 21 Accounting for Leases	UG	
5/30①		G	
6/4	Chapter 22 Accounting Changes	UG	
6/18		G	
7/2	Chapter 23 Statement of Cash Flows	UG	
7/9		G	
7/16	Essay Presentation	Undergraduate students	
7/16⑤	Essay Presentation	Graduate students	
7/30	Summary		Essay

Grades: presentation (30%), homework NUCT Tests and Quizzes (50%), and essay (20%). Not submitting essay will be graded as “absent”.

Requirements: You will be required to read all of the assigned readings and prepare presentation for the assigned accounting issues. You are responsible for knowing about any changes in the syllabus, or any other information announced in class. You are responsible to attend every class. No make-ups will be allowed without prior approval by the instructor.

Textbook: Donald E. Kieso, Jerry J. Weygandt, Terry D. Warfield, *Intermediate Accounting*, IFRS 3rd Edition, Wiley, 2018.

Reminder: Ability to speak and discuss accounting and bookkeeping in English will be required to attend this course. This course is recommended for students who have finished studying Introductory Accounting. You are responsible for knowing about any changes in the syllabus, or any other information announced in class. You are responsible to attend every class. No make-ups will be allowed without prior approval by the instructor. Lectures will be in Project Room 5.
Zoom will be used, so please make sure that you can attend Zoom meeting for this course.
https://zoom.us/j/969918422

Subject	Special Lecture for Advanced Subjects (Introduction to Empirical Research I) (E)	Semester, Date and Period of the class	Spring Semester Monday, 3rd Period
Subject selection	Specialized Courses	Years	1-2
Instructor	Maria MARTIN-RODRIGUEZ (Graduate School of Economics)		
Purpose and aim of the class: The course aims at fostering the students' research ability through the provision of the necessary research tools to analyze real-life problems in which the data set is collected as a cross-section. Through a combination of theory and data, we will learn the restrictive assumptions that support the consistent estimation in the simple regression model, and how to proceed when these assumptions do not hold in our dataset.			

Class content

1 (*April 13*)	*Test*. Introduction.
2 (*April 20*)	The Simple Regression Model. OLS.
3 (*April 27*)	The Simple Regression Model. OLS.
4 (*May 11*)	The Simple Regression Model. OLS. *Problem Set 1* and *Computer Session 1*.
5 (*May 18*)	Multiple Regression Analysis: Estimation.
6 (*May 25*)	Multiple Regression Analysis: Estimation. *Problem Set 2* and *Computer Session 2.*
7 (*June 1*)	Multiple Regression Analysis: Inference.
8 (*June 8*)	Multiple Regression Analysis: Inference. *Problem Set 3* and *Computer Session 3.*
9 (*June 15*)	Multiple Regression Analysis with Qualitative Information: Binary Variables. *Quiz 1*.
10 (*June 22*)	Models with Endogenous Explanatory Variables: IV.
11 (*June 29*)	Models with Endogenous Explanatory Variables: 2SLS. *Problem Set 4.*
12 (*July 6*)	Models with Endogenous Explanatory Variables: Testing for Endogeneity and Testing Overidentifying Restrictions. *Computer Session 4.*
13 (*July 13*)	Heteroskedasticity. *Quiz 2.*
14 (*July 20*)	Heteroskedasticity.
15 (*July 27*)	Final Exam.
Evaluation: 2 quizzes (15% each), 1 final project (30%), final exam (40%).	
Direction for preliminary study: Students must be familiar with the Σ-notation, random variables, expectations, variances, covariances, the Normal distribution, the t-distribution, and the F-distribution. A test will be conducted on the first session. The students who didn't take Econometrics I and II can only take this course if they pass the test.	
Textbooks and Reference books: Jeffrey M. Wooldridge – Introductory Econometrics: A Modern Approach.	
Notice to students: 1) Although we will use Stata, other software packages such as R, EViews, or Gretl are also acceptable. 2) The course withdrawal system is NOT used. Withdrawal deadline: May 20th. 3) Office hours: by appointment.	

Subject	Seminar on Economics and Business Administration II, IV (E)	Semester, Date and Period of the class	Spring Semester Tuesday, 2nd Period
Subject selection	Seminar	Years	1-2
Instructor	Maria MARTIN-RODRIGUEZ (Graduate School of Economics) Wan Ling LEE (Graduate School of Economics)		
Purpose and aim of the class: The purpose of this Research Seminar is for students to share aspects of their research as it develops with their advisors and other interested students. It also serves as a training space for preparation and presentation of papers, while the small size of the group allows for interactive discussion and feedback.			

Class content

1	Introduction
2	M1: Presentation of anchor paper
3	M1: Presentation of anchor paper
4	M1: Presentation of anchor paper
5	M2: Presentation to check the progress
6	M2: Presentation to check the progress
7	M1: Presentation to check the progress of original content
8	M1: Presentation to check the progress of original content
9	M1: Presentation to check the progress & submission of drafts by ALL students
10	Draft Checking
11	Draft Checking
12	Draft Checking
13	M2: Final presentations
14	M2: Final presentations
15	Submission of the final drafts by M1 and M2 students.
Evaluation: Presentations, drafts, and participation.	
Direction for preliminary study: The respective research fields of the students.	
Textbooks and Reference books:	
Notice to students:	