

Subject	Applied Macroeconomics	Subject	Applied Macroeconomics		
Instructor	MICHIO SUZUKI	Instructor	MICHIO SUZUKI		
Day · Period	Thu.2Period				
Eligible Participants	全／ALL				
Course Numbering	EEM-ECO670E				
Credit(s)	2Credits				
Course of Media Class					
Main Subjects					
Object and Summary of Class	<p>This course provides a comprehensive introduction to the measurement and analysis of productivity. Productivity is not only crucial for understanding firm behavior - such as pricing, export decisions, investment, and market entry and exit- but is also a key determinant of long-run economic growth. The course proceeds in four parts. First, using macro-level data, we study growth accounting and the measurement of the Solow residual, drawing on insights from index-number theory, with applications to the Penn World Table and EU KLEMS. Second, we turn to micro-level data and cover the identification and estimation of firm-level production functions, including control function, first-order condition, and dynamic panel approaches. Third, we develop the theory of aggregation across heterogeneous producers, covering both efficient and inefficient economies, and examine how resource misallocation reduces aggregate productivity. Fourth, we review the use of employer-employee matched data to study how workforce composition - age, gender, and education - affects establishment-level productivity and wages.</p>				
Goal of Study	<p>The primary goal is to develop students' ability to conduct empirical research in applied macroeconomics, with a particular focus on the measurement and analysis of productivity growth. By the end of the course, students should be capable of critically evaluating current research and contributing original empirical work to the field.</p>				
Contents and Progress Schedule of the Class	<ol style="list-style-type: none"> 1. Introduction 2. The Solow growth model and growth accounting 3. Notes on growth accounting 4. Growth accounting: applications with PWT and EU KLEMS 5. Identification and estimation of firm-level production functions 6. Identification and estimation of firm-level production functions 7. Student Presentation (Empirical projects) 8. Student Presentation (Empirical projects) 9. Aggregation in efficient economies 10. Aggregation in efficient economies 11. Aggregation in inefficient economies 12. Aggregation in inefficient economies 13. Measuring misallocation 14. Employer-employee matched data and productivity 15. Employer-employee matched data and productivity 				
Practical business					
Language Used in Course	English				
Evaluation Method	<ol style="list-style-type: none"> 1. An empirical project (in-class presentation and report submission) 2. A referee report (submission) 				
Textbook and References					
書名	著者名	出版社	出版年	ISBN/ISSN	資料種別
U R L	See the course page in Google classroom. (Class code:gpecvoqd)				
Preparation and Review					
Attached File					

In Addition	
Last Update	

One-credit courses require 45 hours of study. In lecture and exercise-based classes, one credit consists of 15-30 hours of class time and 30-15 hours of preparation and review outside of class. In laboratory, practical skill classes, one credit consists of 30-45 hours of class time and 15-0 hours of preparation and review outside of class.