

881.04	Topics in Applied Microeconomics <i>Development Economics I</i>	Wang, Xiao Yu	F	8:45 - 11:15	9/1/17 - 10/13/17
881.05	Topics in Applied Microeconomics <i>Development Economics II</i>	Thomas, Duncan	F	8:45 - 11:15	10/20/17 - 12/01/17
881.11	Topics in Applied Microeconomics <i>R&D, Productivity & Technological Change</i>	Xu, Daniel	TTH	10:05 - 11:20	10/19/17 - 12/01/17
<p>This module covers empirical models and estimation techniques of the supply side of firm decision making. These models and its related empirical strategy have been used prevalently in Industrial Organization/Productivity, International Trade, Development, Strategy, and Finance/Macro. Some of the papers can serve as the building blocks of a more ambitious research project, while some have the potential of being further extended to bring important insights for future research. The broad topics we will cover include (1) Measurement of Firm Heterogeneity (2) Endogenous Decisions of Technological Change (3) Market Structure and Innovation (4) Firm Dynamics (5) Product Market Friction and Business Networks</p>					
881.13	Topics in Applied Microeconomics <i>Human Capital</i>	Hotz, V. Joseph	MW	1:25 - 2:40	10/23/17 - 12/01/17
<p>This course covers the literature and issues of the Economics of Human Capital, In particular, we cover the economic models of: (1) earnings function and human capital investment; (2) the Roy Model and the Pricing of Skills; (3) the returns to education and schooling and its impacts on earnings; (4) skill formation and human development; (5) effects of school quality; (6) college major choice and its consequences; (7) post-educational skill acquisition & returns to work experience; and (8) structural models of human capital accumulation. These topics and models are core components of the fields of Labor Economics, the Economics of Education and the study of Economic Inequality. For all of the models covered, we study the econometric issues that arise in estimating the parameters of these economic models, such as the rates of return to schooling and schooling quality and the technology of human capital production functions. Special attention is given to econometric consequences of ability sorting and other forms of selection. Students will be expected to read and discuss the papers presented in class and develop proposal for a research paper on a topic related to human capital, where the instructor will help students through each stop of this process. The latter exercise may end up being the start of a field paper.</p>					
881.20	Topics in Applied Microeconomics <i>Dynamic Discrete Choice</i>	Arcidiacono, Peter	TTH	10:05 - 11:20	08/28/17 - 10/17/17
<p>In this module we will work our way up from discrete choice models to dynamic discrete choice models. In dynamic discrete choice modules individuals make decisions today recognizing the impact these decisions have on the value of future decisions. We will pay particular attention to recent advances in how to compute these types of models when unobserved variables are present. There will be a heavy emphasis on programming.</p>					
881.23	Topics in Applied Microeconomics <i>Intra Household Distribution, Labor and Marriage Markets</i>	McElroy, Marjorie	TTH	8:30 - 9:45	8/29/17 - 10/17/17

**Department of Economics
Graduate Classes
2017**

TENTATIVE

*890: Topics in Economics
881: Topics in Applied Microeconomics
883: Topics in Econometrics
882: Topics in Macroecon/International Finance
885 Topics in Economic Theory*

881.24	Topics in Applied Microeconomics <i>Applications in Labor and Family Economics</i>	McElroy, Marjorie	TTH	8:30 - 9:45	10/19/17 - 12/01/17
882.05	Special Topics in Macro International Finance <i>History of Modern Macroeconomics</i>	Hoover, Kevin	M	10:05 - 12:35	10/23/17 - 12/01/17
882.09	Special Topics in Macro International Finance <i>Economic Growth 1</i>	Peretto, Pietro	M	4:40 - 7:10	8/28/17 - 10/16/17
882.10	Special Topics in Macro International Finance <i>Economic Growth 2</i>	Peretto, Pietro	M	4:40 - 7:10	10/23/17 - 12/01/17
882.14	Special Topics in Macro International Finance <i>Empirical Macroeconomics</i>	Kehrig, Matthias	MW	3:05 - 4:20	10/23/17 - 12/01/17
<p>This course sets you up with the models and tools used in modern macroeconomics. The first part of the course covers standard heterogeneous-agent macro models, including solution methods, the effect of standard real and financial frictions and general equilibrium forces. The second half of the course covers empirical patterns of firm dynamics, reallocation and the quantitative (in)significance of micro-level heterogeneity for macroeconomic outcomes. Assessment will consist of (computational) homeworks, a take-home exam and student presentations. This course builds on Prof. Lanteri's course "Macroeconomics with heterogeneous agents" in that it complements his theoretical and quantitative tools with empirical analysis and leading students on to research projects.</p>					
883.05	Topics in Econometrics <i>Econometrics III (Part 1)</i>	Li, Jia	MW	8:30 - 9:45	8/28/17 - 10/18/17
<p>This module is designed for Ph.D. students in economics who have finished the first-year graduate econometrics sequence and will pursue theoretical and/or applied econometrics as their dissertation topics. In terms of econometric applications, the main focus of the first part is the estimation and inference for econometric models with finite dimensional parameters based on cross-sectional and dependent data. Examples include ordinary least square, generalized methods of moments (GMM), (quasi) maximum likelihood, quantile regression, etc. On the technical side, we will cover the strategy and technical tools for deriving the asymptotic theory for M-estimators. After establishing the classical theory, we consider a modern perspective on the subject through the theory of empirical processes. The technical training in this part should facilitate further studies on topical courses in microeconometrics, standard time-series econometrics, and/or high-frequency financial econometrics.</p>					

885.06	Topics in Economic Theory <i>Decision Theory</i>	Sadowski, Philipp	WF	8:30 - 9:45	08/30/17 - 10/17/17
<p>This module aims to provide the necessary background for research in, or related to axiomatic decision theory, but should also be of interest to students who want to investigate the effect of non-standard preferences in macroeconomic or applied contexts. The first part of the class addresses basic concepts, focusing on choice under risk and uncertainty, including the Ellsberg and Allais paradoxes. In the second part we discuss more recent contributions, including temporal resolution of uncertainty, menu choice, and random choice. The second part of the curriculum is somewhat flexible, allowing us to delve deeper into topics of specific interest. While I use the black/white board for proofs, I also provide handouts with all definitions and results, as well as problem sets. The module is a natural complement to the Behavioral Economics module taught by Todd Sarver, who discusses additional patterns in individual choice. Students are encouraged to take the two modules in sequence.</p>					
885.12	Topics in Economic Theory <i>Economics and Psychology</i>	Sarver, Todd	MW	10:05 - 11:20	10/19/17 - 12/01/17
<p>This course will focus on recent papers incorporating psychological biases and constraints into economics. Topics will be chosen based on student interests, but will likely include some of the following: dynamic inconsistency and time preferences; risk preferences and reference-dependent utility; belief distortion and self-signaling; cognitive constraints and imperfect memory; evolution of preferences; behavioral IO; welfare. Course evaluation will be based on a combination of homework assignments and written work (either in the form of a referee report on a paper from the reading list or a preliminary version of an original research paper related to the class).</p>					
882.01	Special Topics in Macro International Finance <i>Topics in Macroeconomics</i>	Bianchi, Francesco	M	10:05 - 12:35	8/28/17 - 10/16/17
883.06	Topics in Econometrics <i>Econometrics III (Part 2)</i>	Bugni, Federico	MW	8:30 - 9:45	10/23/17 - 12/01/17
<p>This module will primarily cover non-linear statistical models, focusing on the asymptotic properties of estimators of parameters of interest. It will first cover general theorems for estimators defined as optimizers of objective functions, such as MLE and GMM, LAD. A second part of the module will be the study of estimation of nonparametric models, and their asymptotic properties. The methods introduced will be further explored in the analysis of widely applied non-linear models, such as binary and multi-nominal choice, censored and truncated regression, and sample selection models, in both cross-sectional and panel data settings.</p>					

885.05	Topics in Economic Theory <i>Theoretical IO</i>	Lewis, Tracy	Th	4:40 - 7:10	08/31/17 - 10/12/17
--------	--	--------------	----	-------------	---------------------

This course reviews recent developments in Industrial Organization and Contract Theory. The course addresses fundamental issues of how firms compete or collude, how markets govern and moderate competition, and how the structure and conduct of rival firms affects market performance and organization. Non cooperative game theory is the organizing principle and analytical tool that is employed to systematically assess theories of competition and as well as competition policy and antitrust regulations. This year the course is designed as an advanced seminar for graduate students and faculty who wish to learn about recent theoretical advances in dynamic and relational contracting and their impact on competition in present day platform, network and two sided markets. The class is tailored to those students interested in developing a dissertation topic in theoretical and empirical IO, contracts, or market design. Those attending this seminar should have a good first year graduate level background in micro theory, game theory and the theory of information economics.
