

881.04	Topics in Applied Microeconomics <i>Development Economics I</i>	Thomas, Duncan	F	8:45 - 11:15	08/27/2018 - 10/12/2018
881.05	Topics in Applied Microeconomics <i>Development Economics II</i>	Field, Erica	F	8:45 - 11:15	10/19/2018 - 11/30/2018
881.11	Topics in Applied Microeconomics <i>R&amp;D, Productivity &amp; Technology Change</i> 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	Xu, Daniel	MW	8:30 - 9:45	10/15/2018 - 11/30/2018
881.23	Topics in Applied Microeconomics <i>Intra Household Distribution, Labor and Marriage Markets</i>	McElroy, Marjorie	TTH	8:30 - 9:45	08/27/2018 - 10/11/2018
881.24	Topics in Applied Microeconomics <i>Applications in Labor and Family Economics</i>	McElroy, Marjorie	TTH	8:30 - 9:45	10/16/2018 - 11/30/2018
881.30	Topics in Applied Microeconomics <i>Graduate Public Finance I</i>	Suarez Serrato, Hotz, V. Joseph	MW	1:25 - 2:40	08/27/2018 - 10/10/2018
881.31	Topics in Applied Microeconomics <i>Graduate Public Finance II</i>	Suarez Serrato, Hotz, V. Joseph	MW	1:25 - 2:40	10/15/2018 - 11/30/2018
881.32	Topics in Applied Microeconomics <i>Num. Compt In Quant. Dynamic</i>	Xu, Daniel	MW	8:30 - 9:45	08/27/2018 - 10/10/2018
882.03	Special Topics in Macro International Finance <i>Expectations and Macro</i> This module covers some recent advances in the macroeconomics literature on ambiguity/robust control, which departs from rational expectations modeling and Bayesian learning. Here we study, based on decision theoretical foundations(ambiguity aversion), how agents faced with model uncertainty act on robust decision rules. We will review the main concepts of ambiguity/robust control and we will cover some of its applications to asset pricing, business cycles and optimal policy.	Ilut, Cosmin	MW	3:05 - 4:20	10/15/2018 - 11/30/2018

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882.14	Special Topics in Macro International Finance <i>Empirical Macroeconomics</i>	Kehrig, Matthias	M	4:40 - 7:10	08/27/2018 - 10/10/2018
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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.

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883.03	Topics in Econometrics <i>Econometrics of Treatment Effects</i>	Maurel, Arnaud	TTH	10:05 - 11:20	10/16/2018 - 11/30/2018
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This module will cover the econometrics of treatment effects. The emphasis will be on point and partial identification of treatment effects parameters, as well as on inference methods. We will discuss the standard methods used in the literature to evaluate social programs, including matching, instrumental variables, control function and panel data methods. We will pay special attention to the identifying assumptions underlying these different methods, which will be analyzed from a statistical and behavioral viewpoint. We will also examine some of the most recent methods allowing to draw inference on the distribution of treatment effects.

Validation of the course will be based on the presentation and discussion of a research paper, and on the production of a short research proposal (less than 5 pages). The Proposed project may consist of an extension of one of the methods discussed in class, a new application to a specific economic question, or both.

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883.05	Topics in Econometrics <i>Econometrics III (Part 1)</i>	Li, Jia	MW	10:05 - 11:20	08/27/2018 - 10/10/2018
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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 Mestimators. 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.

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883.06	Topics in Econometrics <i>Econometrics III (Part 2)</i>	Bugni, Federico	MW	10:05 - 11:20	10/15/2018 - 11/30/2018
<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>					
883.16	Topics in Econometrics <i>Partial ID: Theory &amp; Applied IO</i>	Rosen, Adam Collard-Wexler,	MW	4:40 - 5:55	10/15/2018 - 11/30/2018
<p>This module will focus on the use of partially identifying models for applications in industrial organization, investigating a mix of methodological, theoretical, econometric and applied issues. Particular areas of application in the IO literature will comprise a selection of research employing various models of auctions, entry, matching, and demand estimation. For each area of application, we will cover both the econometric theory underlying the partial identification analysis employed, as well as the motivation for the use of the partially identifying model in empirical practice. We will discuss what features of these applications have made the use of such models successful, and highlight their ability to aid the credibility of empirical findings, for example by allowing for the possibility of multiple equilibria, or by dispensing with strong restrictions on unobservable heterogeneity that do not follow from economic theory.</p>					
885.01	Topics in Economic Theory <i>Micro Theory III (Part 1)</i>	Ambrus, Attila	MW	11:45 - 1:00	08/27/2018 - 10/10/2018
<p>This course is a rigorous investigation of some of the central concepts in game theory, such as rationalizability, and Nash equilibrium and its refinements. It covers classical topics, such as repeated games, bargaining, and signaling games, as well as more specialized topics such as cheap talk, and supermodular games. Applications are provided for most of the topics.</p>					
885.02	Topics in Economic Theory <i>Micro Theory III (Part 2)</i>	Ambrus, Attila	MW	11:45 - 1:00	10/15/2018 - 11/30/2018
<p>This course is a rigorous investigation of some of the central concepts in game theory, such as rationalizability, and Nash equilibrium and its refinements. It covers classical topics, such as repeated games, bargaining, and signaling games, as well as more specialized topics such as cheap talk, and supermodular games. Applications are provided for most of the topics.</p>					

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885.05	Topics in Economic Theory	Lewis, Tracy	Th	4:40 - 7:10	08/27/2018 - 10/11/2018
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*Theoretical IO*

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.

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