

**Department of Economics**  
**Graduate Classes**  
**Fall 2022 Semester**

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

Class	Class Title	Days & Times	Instructor	Room	Class Dates
ECON 821-01	<b>NON-MARKET VALUATION</b>	MW 10:15AM - 11:30AM	Christopher Timmins	Soc Sci 113	08/29/2022 - 12/02/2022
<p>This course will cover non-market valuation techniques typically used to measure the value of local public goods and (dis)amenities. These techniques are used to determine the “benefits” side in a cost-benefit analysis and are central to the formulation of regulatory policy in the US. In addition, they play an important role in local public finance, urban and environmental economic analysis. Papers will be both theoretical and applied Applications will focus on questions in public finance, urban and environmental economics, with a strong focus on the latter.</p>					
ECON 825-01	<b>INDUSTRIAL ORGANIZATION</b>	TuTh 10:15AM - 11:30AM	Yi (Daniel) Xu; Allan Collard-Wexler	Soc Sci 105	08/29/2022 - 12/02/2022
<p>This class is meant to introduce key concepts and tools in Industrial Organization. We will start by covering simple IO theory models of competition. We then illustrate how to enrich these models with real-world data by applying tools in demand estimation, including discrete choice models of demand of random coefficients. We will then cover methods of estimating production and cost functions, including control function methods. We will discuss topics in vertical markets, such as double marginalization and bilateral bargaining, and their application to anti-trust issues in several key service industries. Finally, we cover important models of industry evolution and dynamic oligopoly. These models are used to shed light on the policy debate of innovation and competition.</p>					
ECON 881-01	TOPICS IN APPLIED MICROECON - <b>DYNAMIC DISCRETE CHOICE</b>	MW 1:45PM - 3:00PM	Peter Arcidiacono	Soc Sci 111	08/29/2022 - 10/14/2022
<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>					
ECON 881-06	TOPICS IN APPLIED MICROECON - <b>FNDN OF DEVELOPMENT ECONOMICS</b>	F 8:30AM - 11:00AM	Erica Field	Soc Sci 327	08/29/2022 - 12/02/2022
ECON 881-20	TOPICS IN APPLIED MICROECON - <b>BELIEFS AND LEARNING</b>	MW 1:45PM - 3:00PM	Peter Arcidiacono	Soc Sci 111	10/17/2022 - 12/02/2022
<p>In this course we will consider economic models where individuals learn about their alternatives or their abilities. The course will cover papers from a number of fields, with applications to the labor market, child development, the marriage market, and the effectiveness of different kinds of medication.</p>					
ECON 881-36	TOPICS IN APPLIED MICROECON - <b>EFFECTS OF TAXES AND TRANSFER</b>	MW 12:00PM - 1:15PM	Joseph Hotz	Soc Sci 327	08/29/2022 - 10/14/2022
<p>In this course, we will examine the literature on the effects of taxes and transfer programs. Topics that will be covered include (a) income taxes and labor supply, including alternative strategies for estimating these effects; (b) the employment, labor supply and “income” responses to income taxes, its progressivity, and to tax credits, such as the Earned Income Tax Credit (EITC); (c) participation in (take-up of) other transfer programs, such as AFDC/TANF, Social Security, and unemployment and disability insurance and their effects on employment, labor supply and other measures of well-being (e.g., economic welfare); (d) models and analyses of optimal taxation schemes and their distortionary impacts. A good deal of emphasis will be placed on the econometric models and methods used to estimate these effects, including structural, experimental and quasi-experimental models. We will examine the literature in these areas and assess the literature with the goal of identifying promising research topics and areas for possible application of innovative modeling approaches.</p>					

ECON 881-37	TOPICS IN APPLIED MICROECON - <b>HUMAN CAPITAL</b>	MW 12:00PM - 1:15PM	Joseph Hotz	Soc Sci 327	10/19/2022 - 12/02/2022
<p>This module covers the literature and issues of the economics of human capital. We will cover economic models of earnings functions and human capital investment; the Roy model and the pricing of skills; the returns to education and schooling and its impacts on earnings, skill formation and human development; post-schooling skill acquisition &amp; returns to work experience; and structural models of human capital accumulation, among other topics. We will cover the econometric issues that arise in estimating the parameters of these economic models, with special attention to the econometric consequences of ability sorting and other forms of selection. Students will be expected to read and discuss the papers presented in class and be the presenter or discussion leader for at least one class. In addition, there will be a Take Home Final Exam.</p>					
ECON 882-01	TOPICS MACRO/INTERNATL FINANCE - <b>EXPECTATIONS &amp; MACROECONOMICS</b>	MW 10:15AM - 11:30AM	Cosmin Ilut	Soc Sci 327	08/29/2022 - 10/14/2022
<p>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.</p>					
ECON 883-05	TOPICS IN ECONOMETRICS - <b>ECONOMETRICS III - PART 1</b>	TuTh 1:45PM - 3:00PM	Matthew Masten	Soc Sci 105	08/29/2022 - 10/14/2022
<p>This module's goal is to help you read and use the most advanced econometrics literature in your research. We will cover a variety of topics which change from year to year. Check with the instructor for the list for this year. Example topics include: Design based inference, Sensitivity analysis, Variations on IV models, Variations on DiD and panel data models, Multiple testing, and Post model selection inference.</p>					
ECON 883-06	TOPICS IN ECONOMETRICS - <b>ECONOMETRICS III - PART 2</b>	MW 10:15AM - 11:30AM	Adam Rosen	Soc Sci 105	10/17/2022 - 12/02/2022
<p>In this module we will focus on estimation and inference for nonparametric and semiparametric models. Topics covered will include kernel-type estimators, series estimators, sieve estimators, and quantile regression. Along the way we will also discuss recommended practice for regression discontinuity design as a well-used example of nonparametric methods in empirical practice.</p>					
ECON 885-01	TOPICS IN ECONOMIC THEORY - <b>MICRO THEORY III (PART 1)</b>	TuTh 1:45PM - 3:00PM	Attila Ambrus	Soc Sci 327	08/29/2022 - 10/14/2022
<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.</p>					
ECON 885-02	TOPICS IN ECONOMIC THEORY - <b>MICRO THEORY III (PART 2)</b>	TuTh 1:45PM - 3:00PM	Attila Ambrus	Soc Sci 327	10/17/2022 - 12/02/2022
<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.</p>					