Economics (ECON)

Courses

**ECON 4423. Behavioral Economics (Sp). 3 Hours.**
Both economics and psychology systematically study human judgment, behavior, and well-being. This course surveys attempts to incorporate psychology into economics to better understand how people make decisions in economic situations. The course will cover models of choice under uncertainty, choice over time, as well as procedural theories of decision making. Prerequisite: ECON 2023 or ECON 2143.

**ECON 4433. Experimental Economics (Fa). 3 Hours.**
The course offers an introduction to the field of experimental economics. Included are the methodological issues associated with developing, conducting, and analyzing controlled laboratory experiments. Standard behavioral results are examined and the implications of such behavior for business and economic theory are explored. Prerequisite: ECON 2023 or ECON 2143.

**ECON 4743. Introduction to Econometrics (Sp). 3 Hours.**
Introduction to the application of statistical methods to problems in economics. Prerequisite: ((ECON 2013 and ECON 2023) or ECON 2143) and ((MATH 2043 or MATH 2554 or higher) and (WCOB 1033 or STAT 2303).

**ECON 4753. Forecasting (Fa). 3 Hours.**
The application of forecasting methods to economics, management, engineering, and other natural and social sciences. The student will learn how to recognize important features of time series and will be able to estimate and evaluate econometric models that fit the data reasonably well and allow the construction of forecasts. Prerequisite: (ECON 2013 and ECON 2023) or (ECON 2143) and (MATH 2043 or MATH 2554) and (WCOB 1033 or STAT 2303).

**ECON 5243. Economics of Supply Chain & Retail (Sp). 3 Hours.**
This course will provide students with a strong foundation in core economics principles, with emphasis on industrial organization issues and applications geared toward the supply-chain and retail focus of the redesigned MBA program.

**ECON 5253. Economics of Management and Strategy (Irregular). 3 Hours.**
Information economics and applied game theory.

**ECON 5373. Global Business (Su). 3 Hours.**
Integrated overview of the global business environment and the organizational challenges of a multinational firm. To enhance understanding of the business and cultural environment of prominent emerging markets, the course includes a 2-3 week overseas immersion project to fulfill a predefined goal. Project is integrated with global content upon return. This course is cross-listed with MGMT 5373.

**ECON 5853. International Economics Policy (Irregular). 3 Hours.**
An intensive analysis of the operation of the international economy with emphasis on issues of current policy interest.

**ECON 600V. Master's Thesis (Sp, Su, Fa). 1-6 Hour.**
Master's Thesis. May be repeated for degree credit.

**ECON 6133. Mathematics for Economic Analysis (Su). 3 Hours.**
This course will develop mathematical and statistical skills for learning economics and related fields. Topics include calculus, static optimization, real analysis, linear algebra, convex analysis, and dynamic optimization. Prerequisite: Graduate standing and MATH 2554 or equivalent.

**ECON 6213. Microeconomic Theory I (Fa). 3 Hours.**
Introductory microeconomic theory at the graduate level. Mathematical formulation of the consumer choice, producer behavior, and market equilibrium problems at the level of introductory calculus. Discussion of monopoly, oligopoly, public goods, and externalities.

**ECON 6223. Microeconomic Theory II (Sp). 3 Hours.**
Advanced treatment of the central microeconomic issues using basic real analysis. Formal discussion of duality, general equilibrium, welfare economics, choice under uncertainty, and game theory.

**ECON 6313. Macroeconomic Theory I (Fa). 3 Hours.**
Theoretical development of macroeconomic models that include and explain the natural rate of unemployment hypothesis and rational expectations, consumer behavior, demand for money, market clearing models, investment, and fiscal policy.

**ECON 6323. Macroeconomic Theory II (Sp). 3 Hours.**
Further development of macroeconomic models to include uncertainty and asset pricing theory. Application of macroeconomic models to explain real world situations.

**ECON 636V. Special Problems in Economics (Sp, Su). 1-6 Hour.**
Independent reading and investigation in economics. May be repeated for up to 9 hours of degree credit.

**ECON 643V. Seminar in Economic Theory and Research I (Fa). 1-3 Hour.**
May be repeated for up to 6 hours of degree credit.

**ECON 644V. Seminar in Economic Theory and Research II (Sp). 1-3 Hour.**
Independent research and group discussion.

**ECON 6533. Seminar in Advanced Economics I (Irregular). 3 Hours.**
This seminar will cover advanced fields of current research importance in economics. This will facilitate the development of research directions for doctoral study and research. Prerequisite: Graduate standing.

**ECON 6543. Seminar in Advanced Economics II (Irregular). 3 Hours.**
This seminar will cover advanced fields of current research importance in economics. This will facilitate the development of research directions for doctoral study and research. Prerequisite: Graduate standing.

**ECON 6613. Econometrics I (Fa). 3 Hours.**
Use of economic theory and statistical methods to estimate economic models. The single equation model is examined emphasizing multicollinearity, autocorrelation, heteroskedasticity, binary variables and distributed lags. Prerequisite: MATH 2043 and knowledge of matrix methods, which may be acquired as a corequisite, and ECON 2023, and an introductory statistics course or equivalent.

**ECON 6623. Econometrics II (Sp). 3 Hours.**
Use of economic theory and statistical methods to estimate economic models. The treatment of measurement error and limited dependent variables and the estimation of multiple equation models and basic panel data models will be covered. Additional frontier techniques may be introduced. Prerequisite: ECON 6613.

**ECON 6633. Econometrics III (Sp). 3 Hours.**
Use of economic theory and statistical methods to estimate economic models. Nonlinear and semiparametric/nonparametric methods, dynamic panel data methods, and time series analysis (both stationary and nonstationary processes) will be covered. Additional frontier techniques may be covered. Prerequisite: ECON 6613.

**ECON 6713. Industrial Organization I (Fa). 3 Hours.**
This course will develop the theory of modern industrial organization. The latest advances in microeconomic theory, including game theory, information economics and auction theory will be applied to understand the behavior and organization of firms and industries. Theory will be combined with empirical evidence on firms, industries and markets. Prerequisite: ECON 6213 and ECON 6223.

**ECON 6723. Industrial Organization II (Sp). 3 Hours.**
This course surveys firm decisions, including setting prices, choosing product lines and product quality, employing price discrimination, and taking advantage of market structure. It will also cover behavioral IO, which reconsider the assumption that firms and consumers are perfectly rational and examines the role of regulation. Prerequisite: ECON 5233.
ECON 6833. International Development I (Fa). 3 Hours.
A first graduate level course in development economics with a focus on foundational theoretical issues. We explore the causation, implications, and remedies for pervasive and persistent poverty in low-income countries. Emphasis will be primarily on microeconomics topics. May be taken either as a precursor to International Development Economics II or stand-alone. Prerequisite: ECON 6213, (ECON 6613 or AGEC 5613) or by instructor's permission.

ECON 6843. International Development II (Sp). 3 Hours.
A second graduate level course in development economics that focuses on the empirical aspect of development in low-income countries. The course explores various microeconomics topics related to poverty, human capital accumulation, and their interactions with role of public policy. Prerequisite: ECON 5533, (ECON 5613 or AGEC 5613) or by instructor's permission.

ECON 6913. Experimental Economics (Fa). 3 Hours.
The course develops advanced concepts in the use of controlled experiments to test economic theory and explore behavioral regularities relating to economics. The class focuses on the methodology of experimental economics while reviewing a variety of established results. Prerequisite: ECON 5533.

ECON 700V. Doctoral Dissertation (Sp, Su, Fa). 1-18 Hour.
Doctoral Dissertation. Prerequisite: Candidacy. May be repeated for degree credit.