ECONOMICS (ECON)

Course numbers with the # symbol included (e.g. #400) have not been taught in the last 3 years.

ECON 825 - Mathematical Economics
Credits: 4
Principal mathematical techniques and their application in economics. Topics covered: matrix algebra, derivatives, unconstrained and constrained optimization, linear and nonlinear programming, game theory, elements of integral calculus.

ECON 871 - Macroeconomic Consulting
Credits: 3
Assess a macroeconomy's condition over the short-run and long-run. Emphasis is given to the construction of data from the National Income and Product Accounts (NIPA), Bureau of Labor Statistics (BLS), the Federal Reserve System (FRS), and other sources. This course also considers the role and functioning of financial markets and how business decisions are impacted by short-run and long-run macroeconomic developments. Prereq: ECON 611 or ADMN 970.

ECON 875 - Strategy Analysis: Games and Auctions
Credits: 3
Game theory is the study of strategic interactions. It models conflict and cooperation between rational agents. Applications include, statistical decision theory, artificial intelligence, auctions, pricing, bargaining, etc. The focus of this course is on business strategy. Students formalize strategic situations as well-defined games, analyze and solve a wide variety of games and business applications, and develop optimal auctions given specific corporate requirements. On-line auctions will be emphasized. Prereq: Intermediate Microeconomics, Statistics.

ECON 890 - Analytical Economics in Practice
Credits: 3
The course gives students an opportunity to use their economics, analytics, and data analysis skills in a business or consulting setting. To this end, students undertake an internship and/or corporate project. Prereq: ECON 926, ECON 976.
Co-requisite: ECON 927

ECON 908 - Environmental Economics: Theory and Policy
Credits: 4
Applies microeconomic tools to issues in environmental economics. Considers the role of government, externalities, public goods, property rights, and market failure. Identifies and compares different policy instruments such as administrative regulation, marketable permits, tax incentives, and direct subsidies, along with consideration of complicating factors such as information, uncertainty and risk. These tools are applied to various policy issues such as air pollution, solid waste management, and recycling. Prereq: ECON 926 and ECON 976.

ECON 909 - Environmental Valuation
Credits: 4
Focuses on the theory and methods for estimating the economic values of environmental resources and public goods (such as clean air and water, preservation of wetlands or coastal resources, etc.) many of which are not exchanged in established markets and therefore do not have prices associated with them. The valuation of environmental resources is an important component in benefit-cost analyses which are used in policy making. Provides a blend of theory and hands-on applications of methods and real data sets. Prereq: ECON 926, ECON 927, ECON 976.
ECON 946 - Open Economy Macroeconomics
Credits: 4
This course introduces you to the frontier of research in open economy macroeconomics and builds on the tools currently used in modern macroeconomic analysis. This course first examines real business cycle fluctuations of small open economies, and then turns to considering monetary and fiscal policies. By the end of the course, students are expected to demonstrate the ability to formulate new theoretical models and be able to apply them to conduct policy analysis. Prereq: ECON 973.

ECON 957 - History of Economic Thought
Credits: 4
Traces the development of economic thought, with careful examination and critical appraisal of the contributions made by important figures and schools of thought.

ECON 958 - Topics in Economic Thought and Methodology
Credits: 4
Advanced seminar in a selected topic in economic thought or methodology.

ECON 972 - Macroeconomics I
Credits: 0 or 4
Development of the major macro models and approaches to macroeconomics: classical, Keynes' "General Theory," Keynesian, Monetarists, New Classical, and New Keynesian models and views. Introduction to open economy macro and growth models.

ECON 973 - Macroeconomics II
Credits: 0 or 4

ECON 976 - Microeconomics I
Credits: 0 or 4
Survey and applications of modern microeconomic theory. Analysis of households, firms, product and resource markets, and behavior under uncertainty.

ECON 977 - Microeconomics II
Credits: 0 or 4
Analysis of stability, cooperative and non-cooperative game theory, information economics, exhaustible resources, disequilibrium, public goods, public choice, and input-output analysis. Prereq: ECON 976.

ECON 978 - Teaching Economics
Credits: 4
This seminar-style course helps prepare graduate students to become effective teachers of economics at the college level. Emphasis is on teaching at the principles level. Students study and discuss key issues, including the learning process, the objectives of principles classes and of the economic major, heterogeneous learning styles, chalk and talk, vs. active learning, testing and the testing effect, homework, and the role of textbooks. Students also write teaching philosophies, lead discussion sessions, present research on teaching, and deliver short lectures to the class on specific topics at the principles level.

ECON 988 - Graduate Economics Seminar
Credits: 2-12
Attend weekly graduate economics seminars; write reviews and critiques of seminar papers; participate in discussion at seminars. May be repeated up to a maximum of 6 credits for Masters students and up to 12 credits for Ph.D. students.

Repeat Rule: May be repeated for a maximum of 12 credits.

ECON 995 - Independent Study
Credits: 1-6
Prereq: permission of adviser and instructor.

ECON 996 - Research Workshop
Credits: 2
Present research papers in the graduate economics seminar series; serve as a discussant for seminar presentations; write reviews and critiques of seminar papers; participate in discussion at seminars. May be repeated up to a maximum of 4 credits for Ph.D. students. Cr/F.

Repeat Rule: May be repeated for a maximum of 4 credits.

ECON 999 - Doctoral Research
Credits: 0
Cr/F.