Economics Courses (ECON)

This is a list of all economics courses. For more information, see Economics.

**ECON:1100 Principles of Microeconomics** 4 s.h.
Organization, workings of modern economic systems; role of markets, prices, competition in efficient allocation of resources and promotion of economic welfare; international trade. Requirements: B.B.A. students cannot use this course for GE CLAS Core Social Sciences. GE: Social Sciences.

**ECON:1200 Principles of Macroeconomics** 4 s.h.
National income and output, unemployment, and inflation; economic growth and development; money and credit; monetary and fiscal policy; government finance; international finance. Requirements: B.B.A. students cannot use this course for GE CLAS Core Social Sciences. GE: Social Sciences.

**ECON:1300 First-Year Seminar** 1 s.h.
Small discussion class taught by a faculty member; topics chosen by instructor; may include outside activities (e.g., films, lectures, performances, readings, visits to research facilities).

**ECON:3100 Intermediate Microeconomics** 3 s.h.
Economic theory of the behavior of consumers, producers, and other economic agents; role of markets in coordinating economic activity; effects of government policies on market outcomes; conditions that markets require for efficient allocation of resources; market imperfections; strategic behavior of economic actors. Prerequisites: ECON:1100 and (MATH:1380 or MATH:1460 or MATH:1550 or MATH:1850 or MATH:1860).

**ECON:3150 Intermediate Macroeconomics** 3 s.h.
Measurement of macroeconomic indicators; economic growth and business cycles; use of macroeconomic models to study the role of government fiscal and monetary policies. Prerequisites: ECON:1200 and (MATH:1380 or MATH:1460 or MATH:1550 or MATH:1850 or MATH:1860).

**ECON:3300 Introduction to Econometrics** 3 s.h.
Statistical tools used in economic analysis; regression models; estimation and hypothesis testing; causal effects; application to economic data and questions; use of statistical software. Prerequisites: STAT:1030 and (MATH:1380 or MATH:1460 or MATH:1550 or MATH:1850 or MATH:1860).

**ECON:3325 Personnel Economics** 3 s.h.
Microeconomic analysis of labor markets with special emphasis on strategic personnel choices of the firm; labor supply decisions made by workers; labor demand decisions made by firms; labor market equilibrium; returns to education; hiring, job design, evaluation, and compensation. Prerequisites: ECON:1100.

**ECON:3335 Money, Banking, and Financial Markets** 3 s.h.
Role of money and financial institutions in determining domestic and international income, employment, and prices. Prerequisites: ECON:1100 and ECON:1200.

**ECON:3345 Global Economics and Business** 3 s.h.
Modern theories of international trade and investment; impact of tariffs and other restrictions on international trade; effects of export and production subsidies; free trade agreements; exchange rates and foreign exchange markets; international monetary arrangements; balance of payments; international economic policy. Prerequisites: ECON:1100 and ECON:1200.

**ECON:3350 Industry Analysis** 3 s.h.
Structural evolution; imperfect competition; resource allocation; development of public policy on monopoly; selected industries. Prerequisites: ECON:1100.

**ECON:3355 Economic and Business Forecasting** 3 s.h.
Development and utilization of forecasts of business and economic variables; application of modern statistical methods and software to quantitative forecasting problems. Prerequisites: ECON:1100 and ECON:1200 and (ECON:3300 or ECON:4800 or STAT:3200).

**ECON:3370 Household Finance** 3 s.h.
Application of micro- and macro-economic theory to economic decisions of families and households; practical and theoretical issues in income generation, spending and saving decisions; risk management, and asset allocation. Prerequisites: ECON:1100 and ECON:1200.

**ECON:3380 Business and Government** 3 s.h.
Examination of relationship between government, private sector, and citizenry; legal, regulatory, market, and civic context in which private sector functions; how business owners and entrepreneurs have shaped political and economic outcomes in the United States; central theme of exploring and understanding the nature of government policy, how policy affects businesses, and how policy affects societal welfare. Prerequisites: ECON:1100.

**ECON:3620 Economic Growth and Development** 3 s.h.
Determinants of rising living standards; accumulation of physical and human capital; predictions of economic growth models compared to observed changes in living standards. Prerequisites: ECON:1100 and ECON:1200.

**ECON:3625 Environmental and Natural Resource Economics** 3 s.h.
Environmental and resource use problems; efficient mechanisms and other policies for environmental protection, management of common property resources. Prerequisites: ECON:1100. Same as URP:3135.

**ECON:3640 Regional and Urban Economics** 3 s.h.
Theory of location and regional development; central place theory; why cities exist and trade with one another; models of land use patterns, rents; empirical tests of models; policy applications. Prerequisites: ECON:1100. Same as URP:3134.

**ECON:3650 Policy Analysis** 3 s.h.
Economic functions of government in modern economies; effects of government expenditures and taxation on allocation of resources. Prerequisites: ECON:1100.

**ECON:3690 Sports Economics** 3 s.h.
Theory and literature of economic issues in professional sports; issues such as relative advantages of large-and small-market teams, city subsidies for baseball and football stadiums, star players' true value to their teams; ideas from introductory economics (such as demand and cost curves) combined with additional economic theory, statistical evidence, and information about particular sports. Prerequisites: ECON:1100.
ECON:3750 Transportation Economics 3 s.h.
Overview of transportation markets—intercity, rural, urban; transportation modes—rail, highway, air, water, pipeline, transit; issues in finance, policy, planning, management, physical distribution, and environmental, economic, and safety regulation. Recommendations: ECON:1100 and ECON:1200. Same as GEOG:3940, URP:3350.

ECON:3760 Health Economics 3 s.h.
Externalities and health behaviors; government influence on health behaviors; overview of health insurance and health insurance markets; health care costs; public health insurance; health insurance reforms. Prerequisites: ECON:1100.

ECON:3770 Urban Transportation arr.
Transportation in the urban market; urban transport modes, technologies, costs, pricing, and ways to develop and analyze urban policy in order to promote city livability and sustainability; development of urban transportation and transport operations in the U.S. and worldwide; urban transport policies, plans, and policy development processes; major urban transportation issues, investigation of possible means of attacking urban transportation issues. Prerequisites: ECON:1100. Same as URP:3360.

ECON:3800 Law and Economics 3 s.h.
Law examined through analytic tools of microeconomics; impact of legal rules on resource allocation, risk bearing, distribution of economic well-being. Prerequisites: ECON:1100.

ECON:3850 Behavioral Economics 3 s.h.
Behavioral economics is a relatively new field that applies insights gleaned from psychology to economics; standard economic theory assumes people are all *homo economicus*: we know exactly how to maximize our own utility, and we do it well; behavioral economists seek to improve microeconomic theory with more realistic assumptions about human behavior. Prerequisites: ECON:1100.

ECON:3870 Federal Reserve Challenge 1 s.h.
Experience what Federal Reserve economists do every day: study the real U.S. economy, make forecasts and policy recommendations, defend their views to academic and professional economists; development of analytical skills, teamwork, how to build presentations. Prerequisites: ECON:3100 and ECON:3150.

ECON:3875 Topics in Policy Economics 3 s.h.
Topics vary. Prerequisites: ECON:1100 and ECON:1200.

ECON:4050 Readings and Independent Study in Economics arr.

ECON:4090 Natural Resource Economics 3 s.h.
Economics of natural resources; interaction between economic theory, empirical evidence, and public policy; land, water, fish, trees, minerals; externalities. Prerequisites: ECON:3100.

ECON:4110 International Economics 3 s.h.
Neoclassical model of international trade; imperfect competition and international trade and investment; role of trade barriers; regional trade agreements and the World Trade Organization. Prerequisites: ECON:3100 and ECON:3150.

ECON:4140 Labor Economics 3 s.h.
Labor supply and demand; investments in human capital; compensating wage differentials; discrimination; long-term contracts; occupational choice; family decisions; unions; immigration. Prerequisites: ECON:3100.

ECON:4160 Public Sector Economics 3 s.h.
Economic functions of government; social welfare programs; income distribution; policies that address market failures; budgetary processes; effects of government expenditures; taxation. Prerequisites: ECON:3100 and ECON:3150.

ECON:4170 Monetary Economics 3 s.h.
Demand for and supply of money; money's role in economy; empirical studies of money's impact; problems with monetary control. Prerequisites: ECON:3100 and ECON:3150.

ECON:4180 Industrial Organization 3 s.h.
Market structures; effects of business practices, informational problems on market structure; appraisal of antitrust policies, government regulation of business. Prerequisites: ECON:3100.

ECON:4190 Mathematical Economics 3 s.h.
Mathematical structure of economic principles, problems, systems; may include constrained optimization, choice under uncertainty, general equilibrium and welfare economics, dynamical systems and control theory, game theory. Prerequisites: ECON:3100 and ECON:3150.

ECON:4200 Game Theory 3 s.h.
Basic concepts of game theory including dominance, backward induction, Nash equilibrium, evolutionary stability, commitment, credibility, asymmetric information, adverse selection, signaling; provides students with a working understanding of game theory; examples drawn from economics and politics. Prerequisites: ECON:3100 and ECON:3150.

ECON:4700 Topics in Analytical Economics 3 s.h.
Topics vary. Prerequisites: ECON:3150 and ECON:3100.

ECON:4800 Econometric Analysis 3 s.h.
Linear regression models; causal effects; estimation and hypothesis testing; errors in variables; simultaneous equations; panel data; instrumental variables; limited dependent variables; emphasis on interpretation, methods, application of econometric modeling, and use of statistical software. Prerequisites: STAT:3101 or STAT:3120.

ECON:4999 Honors Thesis in Economics arr.
Independent research project supervised by economics faculty member; culminates in thesis required for honors in the major. Prerequisites: ECON:3100 and ECON:3150 and (ECON:3300 or ECON:4800).

ECON:5000 Economic Analysis I 3 s.h.
Basic metric topology, convex analysis, function spaces, measure theory and integration.

ECON:5005 Real Analysis for Economics 3 s.h.
Measure theory and integration.

ECON:5005 Economic Analysis II 2 s.h.
Basic metric topology, convex analysis, function spaces, measure theory, and integration.

ECON:5010 Economic Analysis II 3 s.h.
Behavior under uncertainty, macroeconomic models; dynamic programming, asset pricing, saving, consumption.

ECON:5015 Dynamic Programming 2 s.h.
Finite- and infinite-horizon, discrete-time dynamic programming; discrete-time stochastic dynamic programming, including computational methods and some economic applications; continuous-time control theory.

ECON:5100 Microeconomics I 3 s.h.
Consumer choice theory, producer theory, choice under uncertainty, basic game theory. Offered fall semesters.

ECON:5110 Microeconomics II 3 s.h.
General equilibrium and welfare analysis, adverse selection, the principal-agent problem, social choice, mechanism design. Offered spring semesters. Prerequisites: ECON:5100.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON:5115</td>
<td>Fundamentals of Microeconomics</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>ECON:5125</td>
<td>Game Theory</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ECON:5135</td>
<td>General Equilibrium</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ECON:5145</td>
<td>Information Economics</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ECON:5200</td>
<td>Macroeconomics I</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>ECON:5210</td>
<td>Macroeconomics II</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>ECON:5215</td>
<td>Fundamentals of Macroeconomics I</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ECON:5225</td>
<td>Fundamentals of Macroeconomics II</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ECON:5235</td>
<td>Fiscal Policy and Insurance in Macroeconomics</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ECON:5245</td>
<td>Monetary Economics and Search Theory</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ECON:5800</td>
<td>Econometrics</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>ECON:5805</td>
<td>Statistics for Economics</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>ECON:5810</td>
<td>Applied Econometrics</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>ECON:5815</td>
<td>Theoretical Econometrics I</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ECON:5825</td>
<td>Theoretical Econometrics II</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ECON:5865</td>
<td>Applied Econometrics II</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ECON:6100</td>
<td>Continuation of ECON:5855</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ECON:6210</td>
<td>Industrial Organization</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>ECON:6320</td>
<td>Labor Economics</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>ECON:6350</td>
<td>Structural Methods in Econometrics</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ECON:6420</td>
<td>Macroeconomics III</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>ECON:6500</td>
<td>International Trade Theory</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>ECON:6900</td>
<td>Contemporary Topics in Economics</td>
<td>3 s.h.</td>
</tr>
<tr>
<td>ECON:7000</td>
<td>Seminar in Economic Theory</td>
<td>arr.</td>
</tr>
<tr>
<td>ECON:7010</td>
<td>Seminar in Economic Theory II</td>
<td>arr.</td>
</tr>
<tr>
<td>ECON:7020</td>
<td>Seminar in Economics I</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ECON:7030</td>
<td>Seminar in Economics II</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ECON:7040</td>
<td>Seminar in Economics III</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ECON:7050</td>
<td>Seminar in Economics IV</td>
<td>2 s.h.</td>
</tr>
<tr>
<td>ECON:7870</td>
<td>Workshop in Microeconomics</td>
<td>1 s.h.</td>
</tr>
<tr>
<td>ECON:7880</td>
<td>Workshop in Macro and Monetary Economics</td>
<td>1 s.h.</td>
</tr>
<tr>
<td>ECON:7950</td>
<td>Readings in Economics</td>
<td>arr.</td>
</tr>
</tbody>
</table>