

GRADUATE COURSES Economics

ECON 400 - Special Topics II - 3 Credit Hours

Variable topics for advanced students.

(DE) Prerequisite(s): 311 or 312 and 313.

Registration Permission: Consent of instructor.

ECON 413 - Macroeconomics: Business Cycles and Growth -3 Credit Hours

Analysis of macroeconomic short-run fluctuations and long-term growth. Coverage will also include the role of monetary and fiscal policy on aggregate output, employment, and interest rates.

(DE) Prerequisite(s): 313.

ECON 421 - International Economics - 3 Credit Hours

Balance of payments, exchange rate determination, monetary and fiscal policies, monetary arrangements, comparative advantage, tariff and nontariff trade distortions, protection arguments, and regional integration, with analyses based upon intermediate-level economic theory.

(DE) Prerequisite(s): 311 or 312.

ECON 435 - Industrial Organization - 3 Credit Hours

Monopoly and competition in United States economy; interrelationship of market structure, business behavior, and economic performance.

(DE) Prerequisite(s): 311 or 312.

ECON 436 - Economics of Health and Health Care - 3 Credit Hours

Medical care and health status; demand for medical care and insurance; physician and hospital supplies; government provision of services and insurance; regulation of health care markets.

(DE) Prerequisite(s): 311 or 312.

ECON 441 - Labor Economics - 3 Credit Hours

Extension of economic principles to labor markets, public policy questions, demand and supply, theory of wage differentials, unemployment, unions in the private sector, investment in individuals, education and training, and mobility.

(DE) Prerequisite(s): 311 or 312.

ECON 463 - Environmental Economics - 3 Credit Hours

Economic foundations for public decision making about environmental resources, utilizing tools from intermediate microeconomic theory. Emphasis on the welfare economic approach for the provision of public goods, with specific emphasis on market failure, externalities, benefit-cost analysis, and methods for valuing environmental resources and human health.

(DE) Prerequisite(s): 311 or 312.

ECON 472 - Public Finance: Taxation and Fiscal Federalism - 3 Credit Hours

Analysis of federal, state, and local government revenue systems, to include individual and corporate income, sales, and property taxes and other tax and non-tax revenue sources. Consideration of current policy issues and relations among various levels of government.

(DE) Prerequisite(s): 311 or 312.

ECON 482 - Introduction to Mathematical Economics - 3 Credit Hours

Application of basic mathematical tools (e.g., calculus, matrix algebra, etc.) to major topics of economic theory.

(DE) Prerequisite(s): 311 or 312.

ECON 500 – Thesis - 1-15 Credit Hours

Grading Restriction: P/NP only.

Repeatability: May be repeated.

ECON 502 - Registration for Use of Facilities - 1-15 Credit Hours

Required for the student not otherwise registered during any semester when student uses university facilities and/or faculty time before degree is completed.

Grading Restriction: Satisfactory/No Credit grading only.

Repeatability: May be repeated.

Credit Restriction: May not be used toward degree requirements.

ECON 511 - Microeconomic Theory - 3 Credit Hours

Theory of consumer choice and demand, theory of revealed preference, attributes of goods and implicit prices, market demand, labor supply, individual behavior under uncertainty, theory of firm, theory of production and cost, market structures, derived demand and factor pricing, introduction to welfare economics, market failure and theory of second best, pure exchange.

ECON 512 - Microeconomic Theory - 3 Credit Hours

Theory of consumer choice and demand, theory of revealed preference, attributes of goods and implicit prices, market demand, labor supply, individual behavior under uncertainty, theory of firm, theory of production and cost, market structures, derived demand and factor pricing, introduction to welfare economics, market failure and theory of second best, pure exchange.

ECON 513 - Macroeconomic Theory - 3 Credit Hours

Dynamic general equilibrium models, endogenous growth theory, credibility of monetary policy, budget deficits and fiscal policy, consumption, investment, asset pricing, overlapping generations models, real business cycle, search theory, and open-economy macro models.

ECON 514 - Macroeconomic Theory - 3 Credit Hours

Dynamic general equilibrium models, endogenous growth theory, credibility of monetary policy, budget deficits and fiscal policy, consumption, investment, asset pricing, overlapping generations models, real business cycle, search theory, and open-economy macro models.

ECON 581 - Mathematical Methods in Economics - 3 Credit Hours

Mathematical analysis in economic theory. Applications of selected mathematical techniques to economic topics: theories of choice, firm, consumer behavior, general equilibrium, games, distribution, growth, stability, and input-output.

(DE) Prerequisite(s): 311 and a calculus course.

ECON 582 - Elements of Econometrics I - 3 Credit Hours

Elementary econometric concepts and techniques. Least squares and maximum likelihood estimation, specification and econometric problems, statistical inference, generalized least squares, simultaneous equation models, applications of concepts to economic problems.

Recommended Background: Introductory statistics course.

ECON 583 - Elements of Econometrics II - 3 Credit Hours

Elementary econometric concepts and techniques. Least squares and maximum likelihood estimation, specification and econometric problems, statistical inference, generalized least squares, simultaneous equation models, applications of concepts to economic problems.

Recommended Background: Introductory statistics course.

ECON 600 - Doctoral Research and Dissertation - 3-15 Credit Hours

Grading Restriction: P/NP only.

Repeatability: May be repeated.

ECON 621 - International Economics - 3 Credit Hours

Comparative advantage, trade migration, commodity composition of trade, protectionist devices, protectionist arguments, trade liberalization, U.S. trade policy.

(DE) Prerequisite(s): 512 and 514.

ECON 622 - International Finance - 3 Credit Hours

Analysis of macroeconomic adjustment in open economies, with attention to foreign exchange markets, balance of payments, international policy coordination, integration of world capital markets, liberalization of non-market economies and the international monetary system.
(DE) Prerequisite(s): 512 and 514.

ECON 631 - Industrial Organization I - 3 Credit Hours

Standard models of imperfect competition, oligopoly, and asymmetric information. Topics include pricing with market power and strategic decision making.
Registration Permission: Consent of instructor.

ECON 632 - Industrial Organization II - 3 Credit Hours

Economics of regulation and antitrust. Topics include public utility regulation, consumer product regulation, occupational safety regulation, environmental regulation and antitrust legislation.
Registration Permission: Consent of instructor.

ECON 671 - Public Finance: Optimal Government Size and Expenditure Analysis - 3 Credit Hours

Theory of public goods and externalities; public choice. Expenditure incidence and determinants; benefit cost analysis.

ECON 672 - Public Finance: Taxation and Intergovernmental Relations - 3 Credit Hours

Theory of taxation; tax incidence and tax efficiency; policy analysis of U.S. tax structure at federal, state, and local levels. Theory of fiscal federalism and intergovernmental relations.

ECON 677 - Environmental and Natural Resource Economics - 3 Credit Hours

Alternative paradigms for allocating and valuing environmental resources. Exploration of issues related to market failure and differences between renewable and nonrenewable resources.

ECON 678 - Economics of Environmental Policy - 3 Credit Hours

Topics in environmental policy analysis. Consideration of alternative policy instruments, defining policy objectives and role of risk in decision-making process.

ECON 682 - Advanced Topics in Cross-Section Econometrics - 3 Credit Hours

Models with limited dependent variables, panel data analysis, nonparametric estimation, selection models and duration models.
(DE) Prerequisite(s): 582 and 583.

ECON 683 - Time Series Econometrics - 3 Credit Hours

Univariate and multivariate time series modeling of economic data-AR, MA, ARMA, VAR; models of non-stationary time series-unit roots, cointegration and error correction models; time series models of heteroskedasticity-ARCH, ARCH-M, GARCH; exogeneity and causality.
(DE) Prerequisite(s): 582 and 583.

ECON 690 – Workshop - 3 Credit Hours

Advanced topics in economics. Student participation.
Repeatability: May be repeated. Maximum 9 hours.
Registration Permission: Consent of instructor.

ECON 693 - Independent Study - 1-3 Credit Hours

Directed research on topic of mutual interest to faculty and student. Variable title for transcript purposes.
Repeatability: May be repeated. Maximum 6 hours.
Registration Permission: Consent of instructor.