

# ECONOMICS (ECON)

## ECON 1010 Introduction To Economic Issues

[3 credit hours]

Basic concepts and theory applications to major economic problems and controversies. Designed primarily to meet requirements of students not planning to take upper level economics courses. (not for major credit)

**Term Offered:** Spring, Summer, Fall

Core Social Sciences, OT36 Social Science

## ECON 1150 Principles Of Macroeconomics

[3 credit hours]

Explaining the level and the growth of economic activity, its fluctuations and ways of achieving greater stability, including the roles of money, banking and international finance.

**Term Offered:** Spring, Summer, Fall

Core Social Sciences, OT36 Social Science

## ECON 1155 Principles of Macroeconomics with Data Applications

[3 credit hours]

Theoretical explanations on the level and the growth of economic activity, its fluctuations and ways of achieving greater economic stability – complimented by introductory data analysis examining the veracity of predictions by theoretic models. No prior experience using data is necessary for successful completion of this course.

**Term Offered:** Spring, Summer, Fall

Core Social Sciences

## ECON 1200 Principles Of Microeconomics

[3 credit hours]

Theories of consumer behavior; determination of input and output; prices and quantities in factor and product markets; analysis of international trade and policy; applications include labor markets and income distribution.

**Term Offered:** Spring, Summer, Fall

Core Social Sciences, OT36 Social Science

## ECON 2400 The American Economy In The Twentieth Century

[3 credit hours]

American economic growth in the recent past. Evolution of governmental roles, development of labor markets with respect to race and sex, effects of wars and depressions. Status of American competitiveness.

## ECON 2500 Topics In International Economics

[3 credit hours]

Why nations trade; comparative advantage and gains from trade; free trade versus protectionism; free versus "fair" trade; balance of payments problems.

## ECON 2810 Introduction to Econometrics

[3 credit hours]

Introduction to econometrics with an emphasis on the intuitive understanding and practical applications of the basic tools of regression analysis. Course covers hypothesis testing, single and multiple regression equations, and the problems and possible solutions to data that are associated with multicollinearity, autocorrelation and heteroskedasticity.

**Prerequisites:** MATH 2600 (may be taken concurrently) with a minimum grade of D- or MATH 3610 (may be taken concurrently) with a minimum grade of D- or BUAD 2060 (may be taken concurrently) with a minimum grade of D- or PSY 2100 (may be taken concurrently) with a minimum grade of D- or SOC 3290 (may be taken concurrently) with a minimum grade of D- or GEPL 4420 (may be taken concurrently) with a minimum grade of D-

**Term Offered:** Spring, Fall

## ECON 3030 Consumer Economics

[3 credit hours]

Economic role of the consumer, theory of choice-making - rational purchasing of food, housing, health care, transportation, insurance, credit, budgeting, investing and tax returns.

**Prerequisites:** ECON 1150 with a minimum grade of D- or ECON 1200 with a minimum grade of D-

## ECON 3050 Economics Of Gender

[3 credit hours]

Analysis of labor market outcomes and income distribution characteristics resulting from gender differences; gender-related economic outcomes: the "feminization of poverty," persistent male-female wage differential, expanding proportions of female-headed and same sex households.

**Term Offered:** Spring, Summer, Fall

Multicultural US Diversity

## ECON 3070 Economics And Law

[3 credit hours]

Methodologies of Law and Economics; Legal institutions; Economic Theory of Property; Property Rights; Contract Theory; Economic Theory of Torts and Tort Law, Common Law Process; Economics of Crime and Punishment.

**Prerequisites:** ECON 1150 with a minimum grade of D- or ECON 1200 with a minimum grade of D-

## ECON 3080 Economics Of Crime

[3 credit hours]

Study of crime as an economic activity; costs of crime to the community; economic approach to crime reduction.

**Prerequisites:** ECON 1150 with a minimum grade of D- or ECON 1200 with a minimum grade of D-

**Term Offered:** Spring, Fall

## ECON 3120 Topics In Monetary And Financial Economics

[3 credit hours]

Current issues in money, banking and finance; interest rate theory; international money and banking; monetary policy and modeling monetary economies.

**Prerequisites:** ECON 1150 with a minimum grade of D-

**Term Offered:** Fall

**ECON 3150 Intermediate Macroeconomic Theory**

[3 credit hours]

National income accounting; theory of income determination; causal relationships; analysis of consumption, investment, government and foreign demand functions; integration of theories of income, output, money and interest.

**Prerequisites:** ECON 1150 with a minimum grade of D-

**Term Offered:** Spring, Fall

**ECON 3200 Intermediate Micro-Economic Theory**

[3 credit hours]

Consumer theory, utility and indifference curve analysis, theory of the firm, industry pricing in perfect and imperfect competition and distribution theory.

**Prerequisites:** ECON 1200 with a minimum grade of D-

**Term Offered:** Spring, Summer, Fall

**ECON 3240 Environmental Economics**

[3 credit hours]

Economic analysis of the causes of environmental problems; Examination of various economic policies for addressing current environmental issues such as pollution control policies and optimal use of resources.

**Term Offered:** Spring, Summer, Fall

**ECON 3250 Economics Of Sports**

[3 credit hours]

This course will survey the theoretic and applied economic issues within the world of professional and amateur sports, focusing on industrial organization, labor economics and public finance.

**Prerequisites:** ECON 1200 with a minimum grade of D- or ECON 1150 with a minimum grade of D-

**Term Offered:** Spring, Summer, Fall

**ECON 3260 The Economics of Climate Change**

[3 credit hours]

Climate change can be viewed as a fundamentally economic problem. However, climate change has a unique set of attributes that make standard economic analysis difficult to apply. It is a global problem requiring unprecedented international cooperation. Economists view climate change as a risk that creates uncertainty about the future. Students will learn how people value alternative reductions in climate risk. An understating of this trade-off is necessary to help design more cost-effective climate change policy.

**ECON 3270 Natural Resource Economics - WAC**

[3 credit hours]

Economic analysis of natural resource conservation and use, considering the objectives of efficiency and sustainability. Topics include energy, minerals, marine resources, land and agriculture, outdoor recreation, biodiversity and wildlife management.

**Term Offered:** Spring, Summer, Fall

**ECON 3300 BENEFIT-COST ANALYSIS**

[3 credit hours]

The study of the evaluation of competing public policy alternatives and projects to more efficiently allocate society's resources. Applications include transportation, public health, criminal justice, education, and the environment.

**Prerequisites:** ECON 1150 with a minimum grade of D- or ECON 1200 with a minimum grade of D- or ECON 3240 with a minimum grade of D- or ECON 3270 with a minimum grade of D-

**Term Offered:** Spring, Fall

**ECON 3410 World Economic History**

[3 credit hours]

Study of economic growth throughout the world, particularly in Europe, Asia, Africa and Latin America. Analysis of economic institutions, technological change, industrialization and living standards.

**Prerequisites:** ECON 1150 with a minimum grade of D- or ECON 1200 with a minimum grade of D-

**ECON 3500 Comparative Economic Systems**

[3 credit hours]

Theory and ideology of market, socialist and mixed economic systems. Case study of the economies of U.S., Russia, China and India.

**Prerequisites:** ECON 1150 with a minimum grade of D- or ECON 1200 with a minimum grade of D-

**Term Offered:** Spring, Summer

Multicultural Non-US Diversity

**ECON 3600 Urban Economics**

[3 credit hours]

Analysis bearing on intermetropolitan and intrametropolitan growth processes.

**Prerequisites:** ECON 1150 with a minimum grade of D- or ECON 1200 with a minimum grade of D-

**ECON 3750 Survey of Health Economics**

[3 credit hours]

Introduction to the economic analysis of health and health care. Topics include medical and allied manpower, hospitals, drugs and economic evaluation of health programs.

**Prerequisites:** ECON 1200 with a minimum grade of D- or ECON 1150 with a minimum grade of D-

**Term Offered:** Spring, Summer, Fall

**ECON 3810 Applied Econometrics**

[3 credit hours]

Topics emphasize applications of a wide range of statistical approaches to time-series, cross-sectional, panel, and other types of data. Included are micro-econometric topics such as panel data models, qualitative choice models, hazard models and others. The time series macro-economic topics include model solidarity, cointegration, error correction mechanisms, ARCH and GARCH models, economic forecasting, and others.

**Prerequisites:** ECON 2810 with a minimum grade of D-

**Term Offered:** Spring, Fall

**ECON 3900 Undergraduate Seminar**

[1-4 credit hours]

Small group study of special topics initiated either by student or a faculty member.

**Term Offered:** Spring, Fall

**ECON 3910 Honors Research**

[1-4 credit hours]

Study of special topics initiated either by student or a faculty member.

**Term Offered:** Spring, Fall

**ECON 3920 Honors Reading**

[1-4 credit hours]

Study of special topics initiated either by student or a faculty member.

**Term Offered:** Spring, Fall

**ECON 3980 Current Economic Issues**

[3 credit hours]

Course content varies as changes in the interaction between economic topics and writing assignments occur.

**ECON 4050 Population Economics**

[3 credit hours]

Interaction of economic changes and demographic variables; topics include birth rates, women's employment, marriage and divorce, aging and mortality, migration and overpopulation.

**Prerequisites:** (ECON 1150 (may be taken concurrently) with a minimum grade of D- or ECON 1200 (may be taken concurrently) with a minimum grade of D-) and ECON 2810 (may be taken concurrently) with a minimum grade of D-

**Term Offered:** Spring

**ECON 4120 Monetary Theory**

[3 credit hours]

Modern theories of financial markets, money and the theory of interest rates, money's role in general equilibrium and growth models and money's ability to cause inflation.

**Prerequisites:** ECON 3150 with a minimum grade of D-

**Term Offered:** Spring

**ECON 4130 Monetary And Fiscal Policy**

[3 credit hours]

Changes in the quantity of money and alternative government spending, taxation and debt policies, interrelations of fiscal and monetary policies in stabilization programs.

**Prerequisites:** ECON 3150 with a minimum grade of D-

**Term Offered:** Spring

**ECON 4150 Advanced Macroeconomic Theory**

[3 credit hours]

Theories of consumption and investment. Empirical estimates. Cycle and growth theory, multiplier-accelerator analysis and growth models. The theory and instruments of macroeconomic policy. Dynamic Macroeconomic Theory.

**Prerequisites:** ECON 3150 with a minimum grade of D-

**Term Offered:** Fall

**ECON 4200 Advanced Microeconomic Theory**

[3 credit hours]

Advanced topics in microeconomic theory, consumer behavior, the firm and market structure, distribution theory, equilibrium conditions, welfare economics.

**Prerequisites:** ECON 3200 with a minimum grade of D-

**Term Offered:** Fall

**ECON 4230 Poverty And Income Distribution**

[3 credit hours]

Causes and consequences of current trends in poverty and income distribution in the U.S.; analysis of policies dealing with problems in these areas.

**Prerequisites:** ECON 1150 with a minimum grade of D- or ECON 1200 with a minimum grade of D-

**ECON 4240 Applied Environmental Economics**

[3 credit hours]

The economics of the environment and natural resources using applied welfare theory, benefit-cost analyses, and nonmarket valuation. Examination of economic instruments, such as marketable permits, for solving environmental problems.

**Prerequisites:** ECON 1200 with a minimum grade of D- or ECON 3240 with a minimum grade of D- or ECON 3270 with a minimum grade of D-

**Term Offered:** Spring

**ECON 4250 Labor Economics**

[3 credit hours]

The labor market is studied. Topics include labor force characteristics, wage determination, hours and condition of work, human capital models, unemployment, labor union structure and growth, and modern labor legislation.

**Prerequisites:** ECON 1200 (may be taken concurrently) with a minimum grade of D- and ECON 2810 (may be taken concurrently) with a minimum grade of D-

**Term Offered:** Spring

**ECON 4260 Behavioral Economics**

[3 credit hours]

Economic analysis of decisions made by people. Topics include decision-making under risk and uncertainty, strategic decision-making, and experimental economics.

**Prerequisites:** ECON 1200 (may be taken concurrently) with a minimum grade of D- and ECON 2810 (may be taken concurrently) with a minimum grade of D-

**Term Offered:** Spring

**ECON 4280 Energy Economics**

[3 credit hours]

This course explores the theoretical and empirical perspectives on the demand and supply sides of the energy markets. This course starts with an energy outlook in both domestic and global scales. Then it discusses the natural resource modelling, energy supply, and the behavioral underpinnings of the energy demand. The course continues with current and historical aspects of national and global markets for oil, natural gas, coal, electricity, nuclear power, and renewable energy..

**Prerequisites:** ECON 1150 with a minimum grade of D- and ECON 1200 with a minimum grade of D-

**Term Offered:** Spring, Summer, Fall

**ECON 4300 Mathematical Economics**

[3 credit hours]

Development and applications of the mathematical tools used by economists. Differential and integral calculus, linear algebra, transcendental functions and series.

**Prerequisites:** ECON 1150 with a minimum grade of D- or ECON 1200 with a minimum grade of D-

**Term Offered:** Fall

**ECON 4410 American Economic History**

[3 credit hours]

Exploration of economic growth in America from pre-Columbian times to the present day. Analysis of economic institutions, technological change, industrialization and standards of living.

**Prerequisites:** ECON 1150 with a minimum grade of D- or ECON 1200 with a minimum grade of D-

**ECON 4510 International Economics I**

[3 credit hours]

Theory of international trade; commercial policy; costs and benefits, economic integration; trade and economic growth and balance of payments problems.

**Prerequisites:** ECON 1150 with a minimum grade of D-

**Term Offered:** Spring, Summer

**ECON 4550 Economic Development**

[3 credit hours]

Economic problems and policies in less-developed countries, including such topics as schooling, population growth, urbanization, landholding, income distribution, capital formation and development strategies.

**Prerequisites:** ECON 1150 with a minimum grade of D- or ECON 1200 with a minimum grade of D-

**ECON 4620 Regional Economics**

[3 credit hours]

Examination of regional income estimates and social accounts, regional multipliers, diverse location theories, supplemented with techniques of regional analysis.

**Prerequisites:** ECON 1200 with a minimum grade of D-

**ECON 4660 Public Finance Economics**

[3 credit hours]

An analysis of the government sector in the economy, government expenditures, taxation and borrowing and their effects on employment, price levels and growth.

**Prerequisites:** ECON 1200 with a minimum grade of D-

**Term Offered:** Spring

**ECON 4750 Health Economics**

[3 credit hours]

Economic analysis of health and health services. Topics currently include medical and allied manpower, hospitals, drugs and cost-benefit analysis of selected health programs.

**Prerequisites:** ECON 1200 (may be taken concurrently) with a minimum grade of D- and ECON 2810 (may be taken concurrently) with a minimum grade of D-

**Term Offered:** Spring

**ECON 4810 Econometrics Models And Methods I**

[3 credit hours]

An introduction to econometric methods and their use in quantitative analysis of economic theories. Diagnostics for problems typically encountered are detailed along with techniques for correcting these problems.

**Prerequisites:** MATH 2600 with a minimum grade of D- or ECON 2810 with a minimum grade of D- or PSY 2100 with a minimum grade of D- or SOC 3290 with a minimum grade of D- or GEPL 4420 with a minimum grade of D-

**Term Offered:** Fall

**ECON 4820 Econometrics Models And Methods II**

[3 credit hours]

An introduction to forecasting methods for economic time-series including Bayesian methods. Both theory and application of forecasting models and methods are covered.

**Prerequisites:** ECON 4810 with a minimum grade of D-

**Term Offered:** Spring

**ECON 4830 Econometrics Models And Methods III**

[3 credit hours]

Econometric methods that apply to survey, spatial and cross-sectional/ time-series data along with other specialized modeling techniques are covered.

**Prerequisites:** ECON 4810 with a minimum grade of D-

**ECON 4900 Undergraduate Research Experience**

[0 credit hours]

Undergraduate students will participate in directed research or scholarship activities with faculty mentors.

**Term Offered:** Spring, Summer, Fall

**ECON 4910 Research**

[1-4 credit hours]

**ECON 4920 Readings**

[1-4 credit hours]

**ECON 4940 Economics Internship**

[1-4 credit hours]

A prearranged work-study experiential learning course where students gain practical experience applying their economic knowledge with a specific firm, government agency, or nonprofit group. The course is variable credit from 1 to 4 credits. Each academic credit hour requires 40 hours of internship work, e.g., a 3 credit ECON 4940 course requires 120 hours. ECON 4940 will be graded as "credit/ no credit".

**Prerequisites:** ECON 1150 with a minimum grade of D- and ECON 1200 with a minimum grade of D- and ECON 2810 with a minimum grade of D-

**Term Offered:** Spring, Summer, Fall

**ECON 4960 Senior Honors Thesis**

[1-4 credit hours]