

DEPARTMENT OF ECONOMICS

Department Chair and Director of Graduate Studies, Oleg Smirnov

For a full-time student, our M.A. in economics is completed in one year. The degree offers a balanced mix of foundational theory in macro and micro economics with an overall emphasis on applied data analysis skills in the required ECON 5810 Econometrics Models and Methods I and the follow-up course in the spring ECON 5820: Econometrics Models and Methods II and a faculty-advised applied data analysis master's paper, as well as applied data analysis in the spring semester field courses.

Degrees Offered

- M.A. in Economics (<https://catalog.utoledo.edu/graduate/arts-social-sciences-education/departments-schools/economics/ma-economics/>)
 - Economics with an Applied Econometrics Specialization
- Graduate Certificate in Data Analytics in Economics (<https://catalog.utoledo.edu/graduate/arts-social-sciences-education/departments-schools/economics/certificate-data-analytics/>)

ECON 5050 Population Economics

[4 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, Fall

ECON 5120 Monetary Theory

[4 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 2120 with a minimum grade of D- or ECON 3120 with a minimum grade of D- or ECON 3150 with a minimum grade of D-

Term Offered: Spring

ECON 5130 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- or ECON 4120 with a minimum grade of D-

Term Offered: Spring

ECON 5150 Advanced Macroeconomic Theory

[4 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 5200 Advanced Microeconomic Theory

[4 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 5240 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 5250 Labor Economics

[4 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 5280 Energy Economics

[4 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- or ECON 1200 with a minimum grade of D-

ECON 5300 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: Spring, Fall

ECON 5410 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- or ECON 1880 with a minimum grade of D-

ECON 5510 International Economics I

[4 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

ECON 5620 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 5660 Public Finance Economics

[4 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 5750 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, Fall

ECON 5810 Econometrics Models And Methods I

[4 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 5820 Econometrics Models And Methods II

[4 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 5810 with a minimum grade of D-

Term Offered: Spring

ECON 5830 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 5810 with a minimum grade of D-

Term Offered: Spring, Fall

ECON 6260 Behavioral Economics

[4 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 6810 Seminar in Applied Econometrics I

[2 credit hours]

ECON 6820 Seminar in Applied Econometrics II

[2 credit hours]

ECON 6830 Seminar in Applied Econometrics III

[2 credit hours]

ECON 6900 Graduate Research

[1-7 credit hours]

ECON 6950 Capstone Project

[0 credit hours]

Demonstration of applied economic analysis through a Master's paper or equivalent.

Term Offered: Spring, Summer, Fall

ECON 6960 Thesis

[1-8 credit hours]

ECON 6990 Graduate Readings

[1-7 credit hours]