

# ECONOMICS - ECO

## ECO 101 Principles of Macroeconomics 3 Credits

Explanation of market system through supply and demand analysis. Measurement of macroeconomic variables and development of economic models to analyze problems of unemployment, inflation and economic growth. Various fiscal and monetary policies will be discussed.

**Fulfills College Core:** Field 5 (Social Sciences)

## ECO 102 Principles of Microeconomics 3 Credits

Explanation of how the market system operates in the context of limited resources. Emphasis on the manner in which consumers and firms determine what to produce, how to produce and for whom to produce.

**Offered:** every fall & spring.

## ECO 205 Intermediate Microeconomic Analysis 3 Credits

Analysis of demand and supply under various market structures. Cost and production theory, factor pricing, and welfare economics.

**Prerequisite:** ECO 101 & ECO 102.

**Offered:** every fall.

## ECO 206 Intermediate Macroeconomic Analysis 3 Credits

The determination of national income and product in the short run and long run. Unemployment, inflation, fiscal and monetary policy will be examined in the context of static and dynamic macroeconomic models.

**Prerequisite:** ECO 101 & ECO 102.

**Offered:** every spring.

## ECO 255 Business Statistics 3 Credits

Fundamental concepts of probability and statistics with emphasis on business and economic applications. Organizing and describing data, probability theory, sampling, estimation and hypothesis testing.

**Offered:** every fall & spring.

## ECO 256 Business Analytics 3 Credits

Hypothesis testing, regression analysis, goodness of fit, contingency tables, analysis of variance, time series analysis and forecasting.

**Prerequisite:** ECO 255.

**Offered:** every fall & spring.

## ECO 310 Introduction to Geographic Information Systems 3 Credits

An applied introduction to Geographic Information Systems (GIS), a mapping and spatial analysis tool that is widely used in education, government, and industry to solve spatial problems. This course combines lectures and hands-on exercises and provides students the opportunity to use ArcGIS software.

**Prerequisites:** ECO 101 or ECO 102.

**Offered:** occasionally.

## ECO 311 Metropolitan Economic Development and GIS 3 Credits

Economic development is an essential component of local policy and governing, and a perceived driver of success and vitality for cities, metropolitan areas and regions. This applied course will introduce students to basic economic development theory and commonly used economic performance measures within a Geographic Information Systems (GIS) environment.

**Prerequisite:** ECO 101 & ECO 102.

**Offered:** occasionally.

## ECO 321 Economic Impact Analysis 3 Credits

Estimation of the impact of investment, public spending, and changes in taxation or regulatory policy on a regional economy. The impact of a new project on sales, income and employment will be projected. Case studies and hands-on experience using multiple software packages will be used to conduct analysis.

**Prerequisite:** ECO 101, ECO 102 & ECO 255.

**Offered:** occasionally.

## ECO 330 Money, Banking and the Economy 3 Credits

The connection between financial markets, the economy and the Federal Reserve. Examination of the nature of financial markets, the determination of interest rates, bank management and regulation, money and monetary policy. Emphasis on the impact of monetary policy on the macro economy. This course also serves as a Finance elective.

**Prerequisite:** ECO 101 & ECO 102.

**Offered:** fall

## ECO 370 Health Economics 3 Credits

An applied introduction to the field of health economics. This course develops an understanding of human health and the healthcare industry from an economic perspective. Topics include health as human capital, rational addiction, risky behavior, industrial organization of the healthcare industry, the role of government, and applications of statistics. The course combines lectures and hands-on exercises using software for analysis of health-related data.

**Prerequisite:** ECO 101 and ECO 102.

**Offered:** occasionally.

## ECO 401 Public Economics 3 Credits

A microeconomic analysis of the role of the public sector in resource allocation. Topics include the theory of market failures, alternative corrective measures for market failures, efficiency/equity analysis of taxes and public expenditure programs.

**Prerequisite:** ECO 101, ECO 102. Offered occasionally.

**Fulfills College Core:** Justice

## ECO 410 Economic Research Methodology 3 Credits

Economic Research Methodology is a course where the tools of microeconomics, macroeconomics and statistics are applied to analysis of economic data at both the national and local levels. The course will focus on Bureau of the Census and Bureau of Labor Statistics data in the analysis of labor markets and other behavioral economic issues.

**Prerequisite:** ECO 101, ECO 102, ECO 256.

**Offered:** occasionally.

## ECO 411 State and Local Finance 3 Credits

Municipal credit risk and municipal bonds analysis of revenue sources for state and local governments. Public/ private sector interaction in urban areas, city-suburban fiscal disparity and competition, state/local government structure, inter-governmental relations. This course also serves as a Finance elective.

**Prerequisite:** ECO 101, ECO 102, & ECO 256 (or equivalent).

**Offered:** every spring.

## ECO 455 Econometrics 3 Credits

Estimation and analysis of linear and non-linear regression models using statistical inference. Topics include: multicollinearity, heteroskedastic and serially correlated errors, forecasting, dummy variables and simultaneous equation models. Emphasis on analysis of data using EViews econometric software. A good course for those contemplating graduate school.

**Prerequisite:** ECO 101 & ECO 102 & ECO 256 or equivalent.

**Offered:** every spring.

**ECO 497 Internship 3 Credits**

Student must complete a WSB Internship Application Form. May be used for Economics elective credit. Pass/Fail only.

**Prerequisite:** student must complete a WSB Internship Application and obtain the approval of a faculty supervisor, department chair, & associate dean.

**ECO 499 Independent Research 1-3 Credits**

Students must work with a faculty mentor to develop their learning goals and complete a Wehle School of Business Independent Study Application Form.

**Prerequisite:** student must complete a WSB Independent Study Application Form and obtain the approval of a faculty supervisor, department chair, & the associate dean.