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: fall & spring

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: fall & 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: occasionally.

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.
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: fall

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: spring