

ECONOMICS (ECO) (ECON)

ECO 510. Quantitative Analysis with Data Science. 3 Hours.

An introduction to data science and econometrics, utilizing tools from economic and finance theory, mathematics, and statistical inference to analyze economic and finance phenomena. Through the study and application of regression analysis on different data sets, students will become acquainted with essential concepts such as estimating economic parameters, predicting economic outcomes, and statistical inference. Prerequisites: ECO 577 or ECON 2301 and ECON 2302, and FIN 545 or FIN 354.

ECO 576. Macroeconomic Theory and Policy. 3 Hours.

Analyzes the use of various instruments of monetary and fiscal policy and their effects on employment, prices, economic growth, and the balance of payments. Prerequisite: ECON 2301 or ECO 577.

ECO 577. History of Economic Thought. 3 Hours.

Seminar in the development of economic thought. The purpose is to acquaint the student with economists who have played an important role in the evolution of economic philosophy and theory.

ECO 589. Individual Study. 3 Hours.

Individual instruction. May be repeated when topics vary.

ECON 2301. Principles of Macroeconomics. 3 Hours.

This course examines the economic behavior of the aggregate U.S. economy. Major topics include fundamental macroeconomic principles, national employment, prices, economic growth, business cycles, and monetary and fiscal stabilization.

ECON 2302. Principles of Microeconomics. 3 Hours.

An introduction to the concepts and tools of microeconomic analysis. Major topics include fundamental microeconomic principles, price theory including supply and demand and marginal analysis, factors of production, costs of production, the demand for resources, industry structure, and the role of government.

ECON 350. Agricultural Markets and Price. 3 Hours.

This course introduces students to the agricultural price analysis, agricultural market structures and agricultural marketing strategies. It utilizes the economic concepts to help students understand and develop practical agribusiness marketing strategies. Topics such as agricultural price seasonality, market adjustments, price analysis using supply and demand, equilibrium displacement models, food marketing channel, international agricultural trade, and agricultural futures and options markets are discussed.