

ECONOMICS (ECON)

Courses

ECON 690 WORKSHOP *Repeatable* 1-3 Units

Variable topics. Group activity oriented presentations emphasizing "hands on" and participatory instructional techniques.
PREREQ: MUST BE ADMITTED TO A COBE GRADUATE PROGRAM; HAVE DEPARTMENT CONSENT

ECON 691 TRAVEL STUDY 3 Units

Variable topics. Faculty-led courses abroad.

ECON 694 SEMINAR IN ECONOMICS *Repeatable* 1-3 Units

Variable topics. Group activity. An advanced course of study in a defined subject matter area emphasizing a small group in intense study with a faculty member.
PREREQ: MUST BE ADMITTED TO A COBE GRADUATE PROGRAM; HAVE DEPARTMENT CONSENT

ECON 696 SPECIAL STUDIES *Repeatable* 1-3 Units

Variable topics. Group activity. Not offered regularly in the curriculum but offered on topics selected on the basis of timeliness, need, and interest, and generally in the format of regularly scheduled Catalog offerings.
PREREQ: MUST BE ADMITTED TO A COBE GRADUATE PROGRAM; HAVE DEPARTMENT CONSENT

ECON 704 ECONOMICS FOUNDATIONS 2 Units

A study of micro and macro economic tools of analysis. The functioning of a market economy in product and factor markets under alternative market structures. National income, fiscal policy, and the role of the money supply.
PREREQ: MUST BE ADMITTED TO A COBE GRADUATE DEGREE OR CERTIFICATE PROGRAM

ECON 736 BUSINESS CONDITIONS ANALYSIS 2 Units

A study of the macroeconomic structure and operations of the economic system. Analysis of fluctuations in national income, output, employment, prices and exchange rates and the implication of such changes for business decisions. Evaluation of the influence of monetary policy, fiscal policies, and other macroeconomic events on economic activity. Assessment of various approaches and methodologies available for forecasting business conditions.
PREREQ: ECON 704, OR ECON 202 WITH A GRADE OF "C" OR BETTER, OR EQUIVALENT; MUST BE ADMITTED TO A COBE GRADUATE DEGREE OR CERTIFICATE PROGRAM

ECON 737 MANAGERIAL ECONOMICS 2 Units

Applications of microeconomic theory to problems of formulating managerial decisions. Emphasis on economics as a science that facilitates decision making. Topics considered include optimization techniques, risk analysis and estimation of demand and costs of production, market structures and pricing practice, and antitrust economics. Integrates theory and practice.
PREREQ: ECON 704, OR ECON 201 WITH A GRADE OF "C" OR BETTER, OR EQUIVALENT; MUST BE ADMITTED TO A COBE GRADUATE DEGREE OR CERTIFICATE PROGRAM

ECON 761 FUNDAMENTALS OF BUSINESS FORECASTING 3 Units

This is an introductory level course in time series methods and their application. Students will analyze business and economic data e.g. inflation, unemployment, output, stock price data etc. Students will learn how to apply time series methods for inference, prediction and forecasting using a common programming language. The course will review basic statistical concepts before learning how to apply techniques for prediction and forecasting. Students will learn to utilize Monte Carlo simulations; differentiate between stationary and nonstationary; estimate ARMA models; select amongst alternative models; forecast ARMA models and evaluate forecasts; difference and detrend data; analyze trends through trend/cycle decompositions.
PREREQ: MUST BE ADMITTED TO A COBE GRADUATE DEGREE OR CERTIFICATE PROGRAM

ECON 777 MACHINE LEARNING FOR BUSINESS APPLICATIONS 3 Units

This applied course focuses on exploring big data analytic AI techniques relevant to economic and business contexts. Students gain hands-on experience with state-of-the-art analytics tools and methodologies to solve real-world problems, which involve building and evaluating machine learning models to address a number of business issues. The course emphasizes practical skills in programming for data analysis, model training, and validation, while also examining natural language processing for financial statement analysis, time-series forecasting, and spatial data analysis. By the end, students will learn the foundational knowledge and practical skills to implement machine learning models effectively for decision-making in economics and business.
PREREQ: ADMISSION TO (COBE GRADUATE DEGREE OR CERTIFICATE PROGRAM)

ECON 790 WORKSHOP *Repeatable* 1-6 Units

Variable topics. Group activity oriented presentations emphasizing "hands on" and participatory instructional techniques.
PREREQ: MUST BE ADMITTED TO A COBE GRADUATE PROGRAM; HAVE DEPARTMENT CONSENT

ECON 794 SEMINAR *Repeatable* 1-3 Units

Variable topics. Group activity. An advanced course of study in a defined subject matter area emphasizing a small group in intense study with a faculty member.

ECON 796 SPECIAL STUDIES 1-3 Units

Variable topics. Group activity. Not offered regularly in the curriculum but offered on topics selected on the basis of timeliness, need, and interest, and generally in the format of regularly scheduled Catalog offerings.

ECON 798 INDIVIDUAL STUDIES *Repeatable* 1-3 Units

Study of a selected topic or topics under the direction of a faculty member.
PREREQ: MUST BE ADMITTED TO A COBE GRADUATE PROGRAM; HAVE DEPARTMENT CONSENT

ECON 799 THESIS 1-6 Units

Students must complete a Thesis Proposal Form in the Graduate Studies Office before registering for this course.
PREREQ: GRADUATE STANDING