

ECONOMICS (ECON)

Courses

ECON 201 PRINCIPLES OF MICROECONOMICS 3 Units

This course introduces microeconomic analysis and its application. Students examine how consumers and firms make decisions when facing scarce resources, as well as how those decisions affect market outcomes, such as prices and output. Students utilize models to understand supply and demand, theories of individual behavior and the firm, competition and monopoly and the distribution of income in society. Conventional grade basis only if this course is required in the College of Business and Economics for major.

PREREQ: C OR BETTER IN (MATH 139 OR MATH 142) UNREQ: A STUDENT MAY EARN CREDIT FOR ONLY ONE OF ECON 201 OR ECON 213

ECON 202 PRINCIPLES OF MACROECONOMICS 3 Units

This course introduces macroeconomic analysis and its application. Students study the economy as-a-whole, analyzing and interpreting macroeconomic data on national income, unemployment, inflation, interest rates and exchange rates. Basic models are utilized to understand recessions, recoveries and changes in macroeconomic data. Students use this understanding to evaluate taxes and government spending (fiscal) and interest rate (monetary) policies, as well as to identify their impacts on society. Conventional grade basis only if this course is required in the College of Business and Economics for major.

PREREQ: ECON 201 OR ECON 213

ECON 213 ECONOMICS FOR TEACHERS 3 Units

This course introduces microeconomic analysis and its application. Students examine how consumers and firms (including cooperative business organizations) make decisions when facing scarce resources, as well as how those decisions affect market outcomes, such as prices and output. Students utilize models to understand supply and demand, theories of individual behavior and the firm, competition and monopoly and the distribution of income in society. Satisfies the state teacher certification requirements of instruction in cooperatives.

PREREQ: MINIMUM SOPHOMORE STANDING UNREQ: A STUDENT MAY EARN CREDIT FOR ONLY ONE OF ECON 201 OR ECON 213

ECON 245 BUSINESS STATISTICS 3 Units

This course introduces methods for utilizing data to answer questions of business, economic, social and policy interest. Students examine and interpret graphical and numerical methods of summarizing data, as well as apply probability concepts, theoretical probability distributions, sampling methods and sampling distributions. Students also calculate sample statistics, estimate population parameters, construct confidence intervals, formulate hypothesis tests and perform simple regression analysis. The skills and techniques covered allow students to effectively utilize data in the decision-making process.

PREREQ: (MATH 143 OR MATH 152 OR MATH 243 OR MATH 250 OR MATH 253 OR (MATH 142 AND MATH 151)) AND ((COBE MAJOR: 2.50 CUMULATIVE GPA) OR (NON-COBE MAJOR/MINOR/COBE MINOR: 2.00 CUMULATIVE GPA))

ECON 301 INTERMEDIATE MICROECONOMIC ANALYSIS 3 Units

This is an intermediate level course in microeconomic theory and its application. Students utilize economic models to understand consumer and firm behavior under different market structures using price-based partial and general-equilibrium analysis. Students model consumer preferences and decision-making, as well as the pricing of products and factors of production by firms. In addition, students analyze changes in the distribution of income in society resulting from government intervention and market structure.

PREREQ: ECON 202 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA) OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 302 INTERMEDIATE MACROECONOMIC ANALYSIS 3 Units

This is an intermediate level course in macroeconomic theory and its application. Students analyze fluctuations in national income, output, worker productivity, economic growth, employment, inflation, interest rates and exchange rates using economic models. Students also examine the goods, financial and labor markets, as well as the role of the government and central banks in maintaining a strong and vibrant economy in both the short- and long-run. Throughout, students analyze the efficacy of fiscal and monetary policies, and the effects of macroeconomic events and shocks on economic activity.

PREREQ: ECON 202 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA) OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 345 ECONOMETRICS 3 Units

This is an intermediate level course in statistical regression techniques widely used across a variety of careers. Students utilize numerical and graphical descriptive methods to explore, analyze and interpret data. Students employ simple and multiple regression to perform causal inference and quantify important relationships in business, economic, social and policy contexts. Applications to real world data using modern statistical software and developing skills needed to understand empirical work are emphasized.

PREREQ: ECON 245 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA) OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 346 DATA MANAGEMENT AND HANDLING 1 Units

This course introduces students to the use of data handling and data management in Stata. Much of the course will be hands on and will show students how to manage and manipulate data so that it is ready for analysis.

PREREQ: ECON 245

ECON 350 BIG DATA METHODS FOR ECONOMICS 3 Units

This is an applied course that covers a wide range of big data analytics techniques relevant to economic and business applications. This course offers a hands-on experience with advanced tools to tackle real-world business and socio-economic challenges. Topics include: building machine learning models to solve issues ranging from income and social inequality to predicting whether a loan application will be risky; natural language processing to classify texts, analyze email communications, and investigate corporate fraud; time-series modeling to forecast stock prices and predict trends; and spatial data analysis for examining violent crimes and home foreclosures.

PREREQ: ECON 245 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA) OR (NON-COBE MAJOR/MINOR/COBE MINOR: 2.00 CUMULATIVE GPA))

ECON 352 RACE, GENDER, AND ECONOMIC JUSTICE 3 Units

This course analyzes the experiences of ethnic minorities and women in the economy. Students evaluate traditional and nontraditional economic approaches to the unique experiences of these groups. Students examine topics including labor force participation, wage determination, occupational choice and segregation, immigration, poverty and the criminal justice system.

PREREQ: ECON 201 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA)
OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 353 CONTEMPORARY LABOR MARKETS 3 Units

This course introduces the labor market, how it functions and the important role it plays in the economy. Students analyze wage and employment dynamics at the level of the firm, industry and macroeconomy by investigating the economic and institutional forces which determine labor supply and demand. Students examine topics including minimum wages, workforce programs, the labor movement, human capital, collective bargaining and the gig economy.

PREREQ: ECON 201 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA)
OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 354 MONEY AND BANKING 3 Units

This course focuses on financial markets, monetary policy and central banking. Students are introduced to topics such as money, securities, exchange rates, interest rates and the basics of asset pricing through present value calculations. Students utilize economic models to understand the behavior of bond, stock and foreign exchange markets. Students examine the Federal Reserve, determinants of the money supply process, operations and goals of monetary policy and alternative monetary policy frameworks. Finally, students evaluate contemporary issues on monetary policy, including those faced by policymakers, using economic models to understand and illustrate these issues.

PREREQ: ECON 202 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA)
OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 356 PUBLIC FINANCE 3 Units

This course analyzes the role of the public sector in the U.S. economy. Students evaluate different government policies by employing modern theoretical and empirical tools. Students examine policies involving healthcare, education, taxation, social insurance and business.

PREREQ: ECON 201 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA)
OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 360 GROWTH AND DEVELOPMENT IN THE WORLD ECONOMY 3 Units

This course analyzes the role of geographical endowments, culture, institutions and history on economic growth and contemporary economic performance. Students explore questions such as why some countries are rich while others are poor, why some societies developed more quickly than others and why Europe conquered the Americas instead of the other way around. Students also investigate the lives of the world's poor, the constraints they face and the choices they make by examining issues in developing countries such as foreign aid, food access and hunger, health, education, fertility decisions, credit and insurance.

PREREQ: ECON 201 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA)
OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 401 THE INTERNATIONAL ECONOMY 3 Units

This course investigates international trade and investment and the patterns of commercial integration in a globalizing marketplace. Students examine theories on trade and multinational firms, barriers to trade and investment, international trade and investment agreements, as well as balance of payments, exchange rate determination, capital flows and the international consequences of national macroeconomic policy. Students will also investigate the social impacts of international economic patterns and policies throughout the course.

PREREQ: ECON 201 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA)
OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 402 BUSINESS CYCLES 3 Units

This course examines the historical context and theoretical foundations of the expansion and contraction of the U.S. economy. Students explore questions such as why the Roaring '20s were followed by a decade of breadlines and high unemployment, how century-old financial institutions nearly collapsed during the Great Recession and how events such as these impact the broader macroeconomy. Students evaluate the design of macroeconomic policy and its influence on the business cycle. Students develop analytical skills and gain hands-on empirical experience analyzing these issues using data.

PREREQ: ECON 202 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA)
OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 404 HISTORY OF ECONOMIC THOUGHT 3 Units

This course focuses on the development of economic thought from the middle ages to the present. Students explore the ideas, influence and historical context of individual economic thinkers, as well as examine the primary schools of thought including classical, neoclassical, socialist, institutional and Keynesian.

PREREQ: ECON 202 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA)
OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 406 INTERNATIONAL FINANCE 3 Units

This course introduces monetary interactions between countries. Students examine topics including exchange rates, prices, interest rates and balance of payments accounting. Students use economic models to understand spot and forward foreign exchange, international financial markets and international banking, exchange rate systems and the role of central banks as well as open-economy macroeconomics and the international monetary system in the context of current policy issues.

PREREQ: ECON 202 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA)
OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 413 ADVANCED ECONOMIC ANALYSIS 3 Units

This is an advanced course in mathematical economics. Students apply mathematics in solving economic problems and explore advanced techniques to study both microeconomic and macroeconomic problems, while consolidating the mathematical techniques needed for graduate work. Students intending to go on to graduate school, interested in brushing up on their math skills or interested in exploring the rigors of technical analysis will find this course beneficial. The course provides an introduction to computational methods used to address economic problems, utilizing modern statistical software.

PREREQ: ECON 202 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA)
OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 431 ECONOMICS OF GLOBALIZATION 3 Units

This course introduces economic theories on international trade and multinational firms. Students apply these theories to analyze trade and commercial policy at national and global scales, and assess the economic and social impact of these policies. Students also examine the development and function of the world trading system. In addition, students investigate the globalization experiences of the different regions of the world and the controversies surrounding deepening commercial integration.

PREREQ: ECON 201 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA) OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 438 URBAN ECONOMICS, ISSUES, AND POLICY 3 Units

This course analyzes the role of cities as fundamental drivers of human progress and innovation. Using data, students examine the key costs and benefits of density and urbanization with a central focus on how those costs and benefits interact with contemporary issues and policy. Students examine innovation, productivity, housing, transportation, crime, externalities and public policy as it relates to these topics.

PREREQ: ECON 201 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA) OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 446 ADVANCED ECONOMETRICS 3 Units

Advanced Econometrics introduces students to advanced techniques in modeling. In the course students will study applied methods for model selection, implementation, and inference for cross sectional, time series, and panel data. The major emphasis will be on understanding these models from an intuitive perspective and estimating these using computer programs.

PREREQ: C+ OR BETTER IN ECON 345 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA) OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 471 ENVIRONMENTAL AND NATURAL RESOURCE ECONOMICS 3 Units

This course analyzes environmental problems and their causes in the context of a market economy. Students evaluate how markets may fail to correctly allocate environmental and natural resource amenities and the policy alternatives available to correct these market failures. Students apply cost-benefit analysis and non-market valuation methods to environmental and natural resource issues involving water, energy, minerals, pollution, climate disruption and sustainability.

PREREQ: ECON 201 AND ((COBE MAJOR: 2.50 CUMULATIVE GPA) OR (NON-COBE MAJOR/MINOR/COBE MINOR: 60 CREDITS AND 2.00 CUMULATIVE GPA))

ECON 489 ECONOMICS SENIOR CAPSTONE 3 Units

The Economics Capstone is a course for seniors soon to graduate with an Economics degree. Students will reflect on their previous education and demonstrate proficiency in program learning objectives. Student work will center on the production of a substantial high-quality thesis on a student-chosen topic of economic interest.

PREREQ: ECONOMICS MAJOR AND SENIOR STANDING COREQ: PRIOR COMPLETION OR CONCURRENT ENROLLMENT IN ECON 301 AND ECON 302 AND ECON 345

ECON 490 WORKSHOP Repeatable 1-3 Units

Variable topics. Group activity-oriented presentations emphasizing "hands-on" and participatory instructional techniques. Repeatable.

PREREQ: ((COBE MAJOR: 2.50 CUMULATIVE GPA) OR (NON-COBE MAJOR/MINOR/COBE MINOR: 2.00 CUMULATIVE GPA)) AND INSTRUCTOR CONSENT

ECON 491 TRAVEL STUDY Repeatable 3 Units

Variable topics. Faculty-led courses abroad.

PREREQ: ((COBE MAJOR: 2.50 CUMULATIVE GPA) OR (NON-COBE MAJOR/MINOR/COBE MINOR: 2.00 CUMULATIVE GPA)) AND INSTRUCTOR CONSENT

ECON 493 INTERNSHIP IN ECONOMICS 1-3 Units

This is an opportunity for an economics student to gain practical experience in a business, bank, government, non-profit organization before graduation. The experience will supplement the students' academic work in preparation for a career.

PREREQ: ((COBE MAJOR: 2.50 CUMULATIVE GPA) OR (NON-COBE MAJOR/MINOR/COBE MINOR: 2.00 CUMULATIVE GPA)) AND INSTRUCTOR CONSENT

ECON 494 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. Repeatable.

PREREQ: ((COBE MAJOR: 2.50 CUMULATIVE GPA) OR (NON-COBE MAJOR/MINOR/COBE MINOR: 2.00 CUMULATIVE GPA)) AND INSTRUCTOR CONSENT

ECON 496 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. Repeatable for a maximum of 3 credits in the major or 6 credits in the degree.

PREREQ: ((COBE MAJOR: 2.50 CUMULATIVE GPA) OR (NON-COBE MAJOR/MINOR/COBE MINOR: 2.00 CUMULATIVE GPA))

ECON 497 EXCHANGE STUDY Repeatable 1-12 Units

Variable topics.

PREREQ: ((COBE MAJOR: 2.50 CUMULATIVE GPA) OR (NON-COBE MAJOR/MINOR/COBE MINOR: 2.00 CUMULATIVE GPA)) AND INSTRUCTOR CONSENT

ECON 498 INDEPENDENT STUDY Repeatable 1-3 Units

Study of a selected topic or topics under the direction of a faculty member. Repeatable.

PREREQ: ((COBE MAJOR: 2.50 CUMULATIVE GPA) OR (NON-COBE MAJOR/MINOR/COBE MINOR: 2.00 CUMULATIVE GPA)) AND INSTRUCTOR CONSENT