ECONOMICS (ECON)

ECON 100 Introduction to Economics (3 credits)
Restriction(s): Not open to Economics majors. May not be taken after ECON 101 and/or ECON 102. Major objectives and features of the American economy, including operations of a market economy, structure and function of business, money and banking, government and business relations. For non-majors only. Meets Gen Ed - Social Science Perspectives.

ECON 101 Applied Macroeconomics (3 credits)
This course focuses on the economy of the United States of America as a whole. Macroeconomic concepts covered are business cycles, GDP, unemployment rate, and inflation. Students will be introduced to the mechanisms needed for the achievement of price stability, full employment level of national income and long-term growth by analyzing the macroeconomic data and the implications of fiscal and monetary policies.

ECON 102 Applied Microeconomics (3 credits)
This course focuses on the organization and operation of the American economy for the production and distribution of goods and services. Students are introduced to the principles of microeconomics and the implications of policy choices by the public sector impacting businesses. The emphasis is on mechanism behind the pricing of products and factors of production in market situations varying from competition to monopoly. In addition, students learn to analyze microeconomic data and apply the abstract theoretical models into real life situations. Meets Gen Ed - Interdisciplinary Studies.

ECON 201 Data Analysis Tools in Economics and Business (3 credits)
Prerequisite(s): WRIT 105 or HONP 100. This course will introduce the application of commonly used problem-solving softwares in Economics and Business. Students will learn various data analysis features of Excel. Students will be guided to complete "Bloomberg Market Concepts", a self-paced e-learning course that provides introduction to the financial markets, and obtain a completion certificate. Lastly, students will be acquainted with the knowledge and skills to perform basic data analysis using the statistical programming language R or similar. Equivalent course ECON 410 effective through Fall 2020.

ECON 202 Economics and Finance for Non-Business Majors (3 credits)
Prerequisite(s): ECON 101 or ECON 102 or department approval. Restriction(s): Not for Economics majors or Business Administration major or Accounting major. This comprehensive course maintains a reasonable balance between the disciplines of economics and finance. It includes micro and macroeconomics as well as selected topics in finance. Economics underlines how market and non-market institutions can best allocate relatively scarce resources to promote individual and social welfare. Among other topics, students learn how one can measure in a precise way the responsiveness of the quantities bought and sold to changes in prices and other influences on buyers and sellers. They also explore how market economies operate by first working through the perfectly competitive model then turning to noncompetitive market structures. The finance portion of the course provides students with a basic professional background in both corporate finance and investment. They are exposed to the fundamentals of discounted cash flows valuations after they have been introduced to the time value of money in the most general sense. They also learn how to value major sources of financing for corporations such as bonds and stocks. This leads them to consider the most important techniques used by a firm to analyze possible investments to decide which ones are worth undertaking.

ECON 203 Fundamental Mathematics for Economics (3 credits)
Prerequisite(s): ECON 101, ECON 102, or Department Approval. Modern economics stands on mathematical foundations. From corporate economists, to policymakers, to academics, math is the language of specialists on economic matters. The scaffolding of theories and the need for accounting for uncertainty at every turn of the economic realm (e.g. insurance, financial markets, forecasting) lead to some specific areas of mathematics as the tool kit of choice. This course is designed specifically for Economics major to equip the students with a comprehensive set of quantitative skills required in Economics. The course will review topics in Algebra, Calculus, and Statistics. Empirical applications with Excel is integrated throughout the course.

ECON 205 Collective Bargaining: Theory and Practice (3 credits)
Prerequisite(s): ECON 101 and ECON 102. Restriction(s): Major within School of Business. The development of collective bargaining in the United States and an analysis of the factors that account for present practices. The impact of collective bargaining on contemporary American life. Work in field.

ECON 206 Managerial Economics (3 credits)
Prerequisite(s): ECON 101 and ECON 102. Restriction(s): Major within School of Business. The application of economic theory in the decision-making processes of the firm; utilization of economic analysis in the study of demand, costs, pricing and capital investment decisions.

ECON 207 Intermediate Microeconomic Analysis (3 credits)
Prerequisite(s): ECON 101 and ECON 102. Restriction(s): Major within School of Business. The basic determinants of market demand. Input-output relationships in determining cost structure. Determination of prices received by resource owners in the productive process. Theory of the firm and pricing in different types of market organization with varying degrees of competitive conditions.

ECON 208 Intermediate Macroeconomic Analysis (3 credits)
Prerequisite(s): ECON 101 and ECON 102. Restriction(s): Major within School of Business. The factors comprising aggregate demand and how they interact to determine the level of employment, output and the price level; the role of monetary and fiscal policy.

ECON 213 Economic History of the United States (3 credits)
Evolution of economic institutions with emphasis on development of domestic and foreign markets, technological changes and industrial growth. Analysis and interpretation of cyclical changes. Mutually Exclusive with HIST 213.

ECON 215 The Economics of Social Problems (3 credits)
The extent, causes and consequences of poverty, inequality and insecurity. An appraisal of reforms, social insurance, medical care, public housing, rural development. The economics of discrimination and educational opportunity. Meets World Cultures Requirement.

ECON 221 Economics of Professional Sports (3 credits)
Prerequisite(s): ECON 101 and ECON 102. Restriction(s): Major within School of Business. This course applies economic analysis to the professional sports industry under alternative institutional structures. The course addresses the structure and conduct of various sports markets in terms of the relationship between economic theory and evolving public policy alternatives.
ECON 224 Financial Economics (3 credits)
Prerequisite(s): ECON 101 and INFO 173 or departmental approval. Restriction(s): Not open to Accounting or Business Administration majors. This course is designed to introduce majors in economics and students throughout the wider University to the elements of financial economics in general, and the principles of investments, in particular. Major areas of focus in this course include interest rate, bond valuation, risk measurement, monetary policy, and exchange rate market. The overall goal of the course is to allow students to explore how rational investors apply decision theory to the problem of investment under uncertainty.

ECON 240 Economics of Time and Mind (3 credits)
Prerequisite(s): ECON 101 and ECON 102; or departmental permission. This course will explore the nature of decision making from the perspective of time, mind and spirit as economic resources, used to produce goods and experiences that generate well-being. Topics to be covered include: holistic approaches to economic choice, the distinction between external and internal environments, exogenous vs. endogenous constraints, elements of behavioral economics, the three roles of time in decision-making, the impact of finite cognitive capacity on determining optimal behaviors, optimization when there are transition and transformation costs, and the role of endogenous constraints and preferences in expressing moral and spiritual identity.

ECON 250 Special Topics in Economics (3, 6 credits)
Restriction(s): Major within School of Business. An in-depth study of a particular theoretical or applied area of economics. May be repeated twice for a maximum of 9 credits as long as the topic is different.

ECON 301 Money and Banking (3 credits)
Prerequisite(s): ECON 208 for ECON majors; ECON 101 and INFO 240. Restriction(s): For all Business majors; or departmental approval. An analysis of the economic role of money and credit in our economy with primary emphasis on federal reserve and treasury operations. Special fee.

ECON 303 Economic Growth and Development (3 credits)
Prerequisite(s): ECON 207. Restriction(s): Major within School of Business. Problems of hastening the growth of countries with low incomes per person; the requisites for the economic development, the obstacles to such development, the strategy and tactics of development and aid for development.

ECON 308 Public Finance (3 credits)
Prerequisite(s): ECON 207 or ECON 206. Restriction(s): Major within School of Business. The impact of governmental expenditures, taxes and debt operation on resource allocation, income distribution, economic stabilization and economic growth.

ECON 310 Urban and Regional Economics (3 credits)
Prerequisite(s): REAL 204 or ECON 206 or ECON 207. Restriction(s): Major within School of Business. This course studies urban economics and how they developed with respect to the regional and national economy via the underlying forces operating within urban economics such as land-use patterns, public and private sector involvement, housing, poverty, transportation, and education.

ECON 311 Labor Economics (3 credits)
Prerequisite(s): ECON 207 or ECON 206. Restriction(s): Major within School of Business. The determinants of wages in the organized and unorganized markets; a historical survey and analysis of the principal institutions and central processes in the labor and manpower areas; an examination of current issues in labor relations.
ECON 370 International Economics (3 credits)
Prerequisite(s): ECON 207 or ECON 208 or INBS 250. Restriction(s): Major within School of Business. This course is designed to introduce students to economic globalization and the resulting integrated world in general, and principles and policies guiding flows of trade and investment in particular. The major areas of focus include trends in international trade and investment, causes and effect of trade and investment flows, multinational institutions and world trading system, political economy of trade and investment policies, international payment accounts, multinational enterprises and foreign direct investment, exchange rate determination, and international policy coordination. (Students completing this course will not be able to take ECON 371 as an elective.)

ECON 371 World Trade and Investment (3 credits)
Prerequisite(s): INBS 250. Restriction(s): Major within School of Business. A comprehensive overview of economic approaches to trade and investment in the global economy. The topics covered include trends in international trade and investment, causes and effect of trade and investment flows, multinational institutions and world trading system, political economy of trade and investment policies, international payment accounts, multinational enterprises and foreign direct investment, exchange rate determination, and international policy coordination. Equivalent course INBS 370 effective through Summer 2019.

ECON 381 Global Economies and Markets (3 credits)
Prerequisite(s): ECON 208 or INBS 250. Restriction(s): Major or minor within School of Business. This course focuses on the current developments in global markets. Students will learn about the economic risks and opportunities faced by businesses operating globally in these markets. Topics covered include economics of foreign exchange markets, foreign direct investment (FDI), cross-border mergers and acquisitions (M&A’s), and global bond/equity/stock markets. Students will also learn how the global markets responded to major economic crises. Equivalent course ECON 432 effective through Summer 2023.

ECON 390 Applied Econometrics (3 credits)
Prerequisite(s): ECON 207 or ECON 102; and ECON 203 for Economics majors or INFO 240 for others. Restriction(s): Major within School of Business. The objective of the course is to provide a comprehensive introduction to quantitative techniques that are useful to analyze economic and financial data. The goal is to enable students to competently apply the methods and to assess the empirical validity of the assumptions to conduct inference. The course will discuss concepts from probability and statistics, estimation and inference in the multiple linear regression model, and functional forms. Several applications will be discussed in class to demonstrate the relevance of these techniques to economics. "RStudio" or similar software packages will be integrated into all topics. Equivalent course ECON 420 effective through Summer 2020.

ECON 398 Economics Independent Study (1-3 credits)
Prerequisite(s): ECON 207 and ECON 208. Independent study for juniors and seniors who have developed a special interest as a result of work in a course or who wish to develop their interest through their own guided reading. A member of the Economics Department guides the student in his/her research and reading. May be repeated five times for a maximum of 15 credits as long as the topic is different.

ECON 403 Comparative Economic Systems (3 credits)
Prerequisite(s): ECON 101 and ECON 102. Restriction(s): Major within School of Business, Russian Area Studies Minor. The economic systems of planned and mixed economies with special emphasis on the Soviet Union, China, the United Kingdom, the Scandinavian countries and the United States.

ECON 405 Economic Development of Sub-Saharan Africa (3 credits)
Prerequisite(s): ECON 203 and 207. Restriction(s): Major within School of Business, African-American Studies minor. An examination of economic policies in Africa as they affect prospects for growth and development of the region. Students will engage in a variety of research projects that combine theory with analytical tools to derive policy-relevant findings. Meets World Cultures Requirement.

ECON 408 Strategic Thinking and Game Theory (3 credits)
Prerequisite(s): ECON 102; and ECON 317 for economics major or INFO 300 for business major or MATH 320 for mathematics major or CSIT 355 for computer science or information technology major; or PSYC 301 or PSYC 314 for psychology major or cognitive science minor; or departmental approval. This course is an introduction to strategic thinking and game theory. It describes the procedure of decision making in situations where the outcomes depend on the actions of several decision makers. The concept of Nash equilibrium is developed in situations with perfect or imperfect information, emphasizing its application in business and politics.

ECON 409 Economics of National Security (3 credits)
Prerequisite(s): ECON 101 and ECON 102. Restriction(s): Major within School of Business. This course applies economic analysis to basic dimensions of national security under alternative institutional structures. The course addresses political, economic, financial, and environmental issues, and includes analysis of recent innovations in risk management as they apply to the economics of national security in a variety of policy settings.

ECON 412 Business Forecasting and Analytics (3 credits)
Prerequisite(s): ECON 208 and ECON 390. Restriction(s): Major within School of Business. The course provides a comprehensive introduction to various forecasting methods (i.e. linear regression, exponential smoothing, and dynamic regression models) that will enable students to use them sensibly to predict the course of future economic and business activities. Particularly, the course will be concerned with visualizing, summarizing, and forecasting future data using R Studio or any other similar statistical package. Equivalent course ECON 312 effective through Fall 2020.

ECON 414 Economics of Natural Resources and Global Warming (3 credits)
Prerequisite(s): ECON 101 and ECON 102. Restriction(s): Major within School of Business. This course links economic analysis of the technology and economics of natural resources to global warming. The focus is on the structure of domestic and international natural resource markets, how pricing is derived, and how utilization of natural resources is related to patterns of global warming.

ECON 419 Economics Of Energy And Environmental Policy (3 credits)
Prerequisite(s): ECON 207 or ECON 206. Restriction(s): Major within School of Business. An examination of the economic, technological, and environmental dimensions of energy policy choices. Emphasis is given to the linkages among various economic models, elementary principles of energy storage and conversion, and specific energy technologies as they apply to past and current energy policy alternatives.

ECON 422 Globalization and World Development (3 credits)
Prerequisite(s): FINC 327 or ECON 370 or ECON 371. Restriction(s): Major within School of Business. In-depth analysis of current issues faced by developing countries in a continuously integrating world. Analyzes the effect of international trade and international financial markets on a country’s development path and changes within. Highlights the role of industrialized nations and multilateral institutions in world development. Equivalent course INBS 420 effective through Summer 2019.
ECON 430 International Macroeconomic Policy (3 credits)
Prerequisite(s): ECON 370 or departmental approval. This course deals with macroeconomic policies in an international economy. It begins with examining the effects of exchange rate changes on the nation's current account and then extends the analysis to the impact created on the economy as a whole. In addition, the course introduces students to the policy mix used in the United States and the European Union to achieve internal and external balance. May be repeated for a maximum of 9 credits.

ECON 438 Advanced Seminar in Economics (3 credits)
Prerequisite(s): ECON 206 or ECON 207; and ECON 208 and ECON 317 and INFO 240. Restriction(s): Seniors only; Economics, Economics w/conc: Business Economics and Business Administration w/conc: Economics majors only. A seminar designed to integrate economic theory, quantitative tools, and institutional knowledge in a series of applied issues. Students are required to undertake a number of specific oral and written projects that describe their understanding of key elements within the discipline. This course serves as a capstone for Economics students. Meets the Graduation Writing Requirement for majors in Economics and Business Administration with a concentration in Economics.

ECON 439 Advanced Seminar in Economics: Honors I (3 credits)
Prerequisite(s): Departmental approval. Restriction(s): Major within School of Business. Define the scope and methodology of the honor project through the presentation of a thesis prospectus. This process will involve preparation of a review of the relevant research literature, specification of an appropriate research methodology, gathering and testing of preliminary data where appropriate, as well as submission of the thesis prospectus to the departmental honors committee.

ECON 440 Advanced Seminar in Economics: Honors II (3 credits)
Prerequisite(s): ECON 439. Restriction(s): Major within School of Business. Student will complete all appropriate quantitative and qualitative analysis of Seminar in Economics Honors I as well as prepare a summary and interpretation of their findings. Through discussion of findings, faculty and student will make suggestions for any additional analysis or revisions to be undertaken.

ECON 461 Seminar in International Economic Geography (3 credits)
Prerequisite(s): ECON 101 or ECON 102. Restriction(s): Major within School of Business. An interdisciplinary seminar focusing the techniques of economics and geography on a common theme to achieve a synergistic conclusion.

ECON 490 Real Estate Internship (3 credits)
Prerequisite(s): REAL 305. Restriction(s): Major within School of Business. This course provides students with professional work experience before completing their concentration degree. The Real Estate Co-Op course enables students to apply their knowledge from various real estate courses in the areas of verbal and written communication, critical thinking, self directed learning, career readiness, decision-making, technology awareness, leadership and social responsibilities.

ECON 497 Economics Independent Study (3 credits)
Prerequisite(s): ECON 207 and ECON 208. Restriction(s): Major within School of Business. Open to students who wish to undertake reading and/or research in specialized areas of economics. May be repeated five times for a maximum of 18 credits as long as the topic is different.

ECON 501 Economic Analysis (3 credits)
Restriction(s): MBA degree students, MA Environmental Studies majors with concentration in Environmental Management, PhD Environmental Science and Management. Director approval. The resource allocation and distribution of income implications of a market-oriented economy operating under various degrees of competition. Also analyzed are the determinants of consumer and market demand and the theoretical cost structure of firms.

ECON 505 Aggregate Economics (3 credits)
Restriction(s): MBA degree students, MA Environmental Studies majors with concentration in Environmental Management, PhD Environmental Science and Management. Director approval. This course develops contemporary macroeconomic theories to explain aggregate employment, national income and the levels of interest rates and prices. Along with developing various models the course examines current research and reviews the economy's recent macroeconomic performance.

ECON 510 Urban Economics: Problems and Policy (3 credits)
Prerequisite(s): ECON 501. This course studies the location of economic activities, the growth of cities and the origins of some urban problems in a market economy. Also discussed are the problems of location and congestion due to agglomeration and non-market phenomena.

ECON 521 Applied Econometrics (3 credits)
Prerequisite(s): Departmental approval. This course is aimed at applied research using econometric techniques. This course will provide the necessary theoretical and practical aspects of econometrics. In addition, students will be required to complete a working paper as a demonstration of their ability to gather data, choose and apply an appropriate econometrics model and finally prepare their findings.

ECON 530 Microeconomics for Managers (1.5 credit)
This course is an introduction to the principles of microeconomics. Topics include: economics of scarcity and choice, marginal analysis and economic efficiency, elasticity of demand and supply, utility maximization and firm's profit maximization under various market structures. Using these tools will allow students to understand and critically evaluate real world circumstances and events.

ECON 531 Macroeconomics for Managers (1.5 credit)
This course is an introduction to the principles of macroeconomics and provides students with a thorough understanding of macroeconomic issues and problems. Topics include: unemployment, inflation, national income accounting, fiscal and monetary policies. Students will be exposed to modern macroeconomic models and be able to apply these to explain economic fluctuations and the impact of fiscal and monetary policies on the economy.

ECON 541 Foundations of Contemporary Economic Thought (3 credits)
Prerequisite(s): ECON 501. Antecedents of current economic theory; economics as a cumulative science; the works of the creative economists; the uses and limitations of economic theory.

ECON 544 Government and Business (3 credits)
Prerequisite(s): ECON 501. The evolution of government influences on the functioning of the American economy. The causes and consequences of government regulation and control. The importance of economic analysis in the foundation of public policies.
ECON 558 Cross-Border Mergers and Acquisitions (MA's) (3 credits)
This course examines the trends, the determinants, and the performance of cross-border mergers and acquisitions (M&As). It proceeds to explore the impact on economic development of Foreign Direct Investments (FDI) through cross-border M&As as opposed to Greenfield investments, competing foreign market entry mode. Finally, this course addresses the question of corporate strategy formulation to optimize net benefits of cross-border M&As. Equivalent course INBS 558 effective through Summer 2019.

ECON 560 Economics Internship (3 credits)
Prerequisite(s): Departmental approval. In conjunction with ECON 561, this course (ECON 560) is the initial course of a two course internship sequence. The purpose of ECON 560 is to integrate the student's educational experience with an off-campus, business or public sector, professional experience. In addition to applying their economic education to specific problems, the internship also provides each student with an opportunity for enhanced personal growth and professional awareness.

ECON 561 Internship Treatise (3 credits)
Prerequisite(s): ECON 560 with a minimum grade of B. The post-internship treatise course provides the opportunity for the student to integrate their formal education and their internship experience in order to develop a treatise on a specific aspect and application of economic theory. This is the second course in the internship sequence.

ECON 562 Macroeconomics Analysis and Public Policy (1.5 credit)
In this course students will learn how national and global economic conditions, fluctuations in the level of economic activity, and various economic policies affect the general business environment. Topics include business cycles; interrelationship among the private, public and foreign sector balances; the determination of national income, employment and the price level in classical, Keynesian and modern macroeconomic theories; fiscal and monetary policy; and the analysis of money and bond markets, and the determination of interest rates.

ECON 563 Managerial Economics (1.5 credit)
In this course students will examine the application of microeconomic theory to the manager's responsibilities and decision making within the organization. Topics include the theory of consumer behavior, the theory of the firm within the framework of profit maximization, demand, supply and the concept of elasticity. Furthermore, this course explores different forms of markets: perfect competition, imperfect competitive markets such as monopoly, monopolistically competitive and oligopoly. The course will also explore the concept of externalities, and circumstances in which markets can fail and need to be corrected by government policies.

ECON 564 Multinationals and Emerging Markets (3 credits)
This course is designed to provide a theoretical framework coupled with a "hands-on" approach to identify opportunities, risks, challenges and strategies for doing business in emerging market economies. The perspective is that of the management of a Multinational Corporation (MNC), responsible for international business activities in emerging markets such as direct investments and/or financial investments. The topics covered include a background on emerging markets, their economic potential, risks and challenges specific to these markets, and the strategies for doing business in such environments. Equivalent course INBS 560 effective through Summer 2019.

ECON 567 Special Topics in Economics (1-3 credits)
Prerequisite(s): Departmental approval. An in-depth study of a selected topic, issue, problem or trend in business economics. The specific subject matter is not offered as an existing regular course or deserves more time-emphasis than is possible in a regular course. May be repeated five times for a maximum of 18 credits as long as the topic is different.

ECON 571 Globalization and the Developing World (1.5 credit)
Prerequisite(s): ECON 562. Restriction(s): MBA degree students only. This course seeks to familiarize students with economic and social problems encountered by developing countries in the context of a rapidly integrating world, and enable them to critically review policy choices available to their governments. With completion of this course, students are expected to demonstrate awareness of current controversies in development economics and their implications for the rest of the world.

ECON 575 Independent Study in Economics (1-3 credits)
Prerequisite(s): Departmental Approval. Restriction(s): MBA degree students only. Under faculty guidance and supervision, this tutorial course is open to students who wish to pursue individual study and research in a particular discipline. May be repeated five times for a maximum of 18 credits as long as the topic is different.

ECON 577 Reading Seminar in Economics (2 credits)
Prerequisite(s): Departmental approval. Required of all candidates in the BA/MA Applied Economics Program. This seminar entails directed independent study in preparation for a three (3) hour written comprehensive examination.

ECON 590 Reading Seminar in Applied Economics (3 credits)
Prerequisite(s): Departmental approval. Under faculty guidance and supervision, this tutorial entails directed independent study in preparation for a three (3) hour written comprehensive examination.

ECON 603 Reading Seminar in Economics (2 credits)
Prerequisite(s): Departmental approval. Required of all Master of Arts degree in Social Science candidates concentrating in economics, this seminar entails directed independent study in preparation for a three hour written comprehensive examination.

ECON 689 Master's Thesis (3 credits)
Prerequisite(s): Departmental approval. Independent research project done under faculty advisement. Students must follow the MSU Thesis Guidelines, which may be obtained from the Graduate School. Students should take ECON 699 if they don't complete ECON 689 within the semester.

ECON 699 Master's Thesis Extension (1 credit)
Prerequisite(s): ECON 689. Continuation of Master's Thesis Project. Thesis Extension will be graded IP (In Progress) until thesis is completed, at which time a grade of Pass or Fail will be given.