

# DEPARTMENT OF ECONOMICS

## Ambassador Crawford College of Business and Entrepreneurship

Department of Economics  
402 Crawford Hall  
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www.kent.edu/business/economics

## Undergraduate Programs

- Economics - B.B.A.

## Undergraduate Minors

- Data Analytics
- Economics

## Graduate Programs

- Economics - M.A.E.

## Graduate Minors

- Quantitative Methods in Econometrics

## Department of Economics Faculty

- Bagheri, Omid (2017), Associate Professor, Ph.D., Virginia Polytechnic Institute and State University, 2017
- Boyd-Swan, Casey (2015), Associate Professor, Ph.D., Arizona State University, 2015
- Choi, Yoonho (2021), Assistant Professor, Ph.D., Iowa State University, 2017
- Cornelius, Rowena J. (2024), Assistant Professor, M.A.E., University of Western Ontario, 2017
- Dechenaux, Emmanuel (2004), Professor, Ph.D., Purdue University, 2004
- Ellis, Michael A. (1990), Professor, Ph.D., Texas A&M University, Main Campus, 1991
- Engelhardt, Lucas M. (2010), Associate Professor, Ph.D., The Ohio State University, 2010
- Greenhalgh-Stanley, Nadia (2009), Professor, Ph.D., Syracuse University, 2009
- Johnson, Eric D. (2005), Associate Professor, Ph.D., University of California, San Diego, 1997
- Kim, Duhyeong (2023), Assistant Professor, Ph.D., University of Western Ontario, 2023
- Leontieva, Ludmila (2007), Associate Professor, Ph.D., Rostov State University, 1991
- Liu, Dandan (2008), Professor, Ph.D., Texas A&M University, Main Campus, 2005
- Mukherjee, Deepraj (2012), Professor, Ph.D., University of Memphis, 2010
- Park, Jooyoun (2009), Associate Professor, Ph.D., University of Michigan, 2009
- Reynolds, Curtis Lockwood (2007), Professor, Ph.D., University of Michigan, 2007

- Rohlin, Shawn (2012), Professor, Ph.D., Syracuse University, 2009
- Sahajdack, Thomas (2016), Associate Professor, Ph.D., University of Illinois, 2016
- Shaeye, Abdihafit (2018), Associate Professor, Ph.D., University of Wisconsin, Milwaukee, 2017
- Wilson, Kathryn S. (1996), Professor, Ph.D., University of Wisconsin - Madison, 1996

## Economics (ECON)

### ECON 12060 PERSONAL FINANCE 3 Credit Hours

Examines economic issues and problems of everyday life. Goal is to enable individuals to analyze their personal finances in order to learn how to get the most out of their income, increase income through a better understanding of possible investments, and protect what they have through selecting appropriate insurance. Topics covered include budgeting and financial planning, federal income taxes, insurance, borrowing, and investment principles and strategies.

**Prerequisite:** None.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** CTAG Personal Finance

### ECON 22060 PRINCIPLES OF MICROECONOMICS (KSS) 3 Credit Hours

Course discusses decision-making by buyers, sellers, and governments and how their interaction affects market determination of prices.

Students compare outcomes and firm decisions in different market structures. Students develop tools to examine social problems such as poverty, crime, pollution and international relations, as well as make better decisions in their own lives.

**Prerequisite:** Minimum 22 ACT math score; or minimum 530 SAT math score; or minimum 35 ALEKS Math score; or MATH 00022 with a minimum C grade or any higher level MATH course.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Kent Core Social Sciences, TAG Social and Behavioral Sciences, Transfer Module Social Sciences

### ECON 22061 PRINCIPLES OF MACROECONOMICS (KSS) 3 Credit Hours

Principles and policies affecting aggregate production, consumption, investment and government expenditures. Includes role of money, the banking system, inflation, unemployment and economic growth.

**Prerequisite:** ECON 22060.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Kent Core Social Sciences, TAG Social and Behavioral Sciences, Transfer Module Social Sciences

### ECON 32025 MONEY, CREDIT AND BANKING 3 Credit Hours

Organization of our money, credit and banking system principles and problems of monetary policy.

**Prerequisite:** ECON 22060 and 22061.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 32040 INTERMEDIATE MICROECONOMIC THEORY AND APPLICATIONS 3 Credit Hours**

The study of individual choices under conditions of relative scarcity, and their consequences for prices and the allocation of resources in the economic system. Develops the analytical and theoretical tools pertinent in determining how scarce resources are allocated among competing wants and demonstrates how these tools are used in real world applications.

**Prerequisite:** ECON 22060 and 22061.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 32041 INTERMEDIATE MACROECONOMIC THEORY AND POLICY 3 Credit Hours**

This course analyzes key drivers of an economy's GDP, consumption, investment and interest rates. The class will examine economic growth and how it can be impacted by public policy. Students will understand the uses and limitations of a macroeconomic model and will be exposed to the two main schools of thought in macroeconomics. National and international data will be used to better understand these concepts.

**Prerequisite:** ECON 22060 and 22061.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 32050 APPLIED ECONOMETRICS I (ELR) 3 Credit Hours**

The course provides an introduction to the use of statistical analysis in economics. The initial part of the course reviews relevant concepts from probability and statistics. The second course segment focuses on linear regression analysis and the properties of regression estimators. The final course segment discusses extensions of the linear model, and considers problems that may arise in application including omitted variables, nonlinearity, measurement error, sample selection, heteroscedasticity and causality. The SAS statistical software package is used throughout the course for data analysis. Over the second half of the course, students complete an empirical project which requires students to connect the course concepts to the analysis of an economic policy question in a real world data set.

**Prerequisite:** MATH 11012 or MATH 12002; and ECON 22060; and BA 24056 or MATH 10041 or MATH 20011.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Experiential Learning Requirement

**ECON 32051 APPLIED ECONOMETRICS II 3 Credit Hours**

The course provides a continuation of Applied Econometrics I, extending the basic linear regression models to more advanced models using cross-sectional, panel or time series data. The initial part of the course focuses on models for discrete and limited dependent variables. The second course segment addresses estimation methods for panel data. The final course segment provides an overview of time series estimation with an emphasis on forecasting in economic data.

**Prerequisite:** ECON 32050.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 32082 INTRODUCTION TO MANAGERIAL ECONOMICS 3 Credit Hours**

Combines economic theory and quantitative analysis to develop resource-allocation decision-making skills which enable managers to evaluate problems, identify possible solutions and finally implement and monitor the best alternative to accomplish their stated objectives. Covers such topics as supply and demand, consumer theory, production, costs, contracts, game theory, principal-agent problems, and the basic economic models of perfect competition, oligopoly, monopolistic competition and monopoly. Cannot be taken by economics majors. Not open to students who have completed ECON 32040.

**Prerequisite:** ECON 22060.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 32083 THE ECONOMICS OF POVERTY (DIVD) 3 Credit Hours**

Nature and causes of poverty in United States. Analysis of impact of poverty upon economy and study of measures both real and potential for alleviating it.

**Prerequisite:** ECON 22060.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**Attributes:** Diversity Domestic

**ECON 32084 ECONOMICS OF THE ENVIRONMENT 3 Credit Hours**

Examines economic theory of environmental and resource economics in a fashion that is understandable by students with varied backgrounds in economics. Emphasis on microeconomic theory and its application to environmental issues. Topics covered include "market failure" and its impact on the environment; cost benefit analysis; and input-output analysis. Designed for those interested in the environment or who may be planning careers in environmental or natural sciences.

**Prerequisite:** ECON 22060.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 42050 DATA ACQUISITION, PREPARATION AND VISUALIZATION 3 Credit Hours**

(Slashed with ECON 52050) Accessing and collecting data from existing sources (databases and raw data), transformation of raw data into formats that can be used for final analysis, techniques for presentation and visualization of data, predictive analytics using machine learning and cross validation. Students will perform some work in SAS but will also be introduced to the R statistical language.

**Prerequisite:** BA 24056 or MATH 10041 or MATH 20011.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 42065 PROBLEMS OF MONETARY AND FISCAL POLICY 3 Credit Hours**

(Slashed with ECON 52065) Analysis of objectives, techniques and economic effects of monetary and fiscal policies.

**Prerequisite:** ECON 32041.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 42066 ECONOMICS OF ENTREPRENEURSHIP 3 Credit Hours**  
 (Slashed with ECON 52066) This course presents a wide-ranging overview of the place of economics in entrepreneurship, with a special focus on how economic research is conducted to study the determinants of entrepreneurship.  
**Prerequisite:** ECON 22060.  
**Schedule Type:** Lecture  
**Contact Hours:** 3 lecture  
**Grade Mode:** Standard Letter

**ECON 42068 INDUSTRIAL ORGANIZATION: FIRMS AND STRATEGY 3 Credit Hours**  
 (Slashed with ECON 52068) Theoretical, empirical and critical examination of structure, operation and performance of industrial markets in American economy.  
**Prerequisite:** ECON 32040.  
**Schedule Type:** Lecture  
**Contact Hours:** 3 lecture  
**Grade Mode:** Standard Letter

**ECON 42070 GAME THEORY 3 Credit Hours**  
 Introduction to game theory and its application to economics. Analysis of strategic behavior by economic agents using equilibrium concepts from non-cooperative game theory.  
**Prerequisite:** ECON 22060 and ECON 22061.  
**Schedule Type:** Lecture  
**Contact Hours:** 3 lecture  
**Grade Mode:** Standard Letter

**ECON 42072 LABOR ECONOMICS: WORK AND PAY 3 Credit Hours**  
 (Slashed with ECON 52072) The economic analysis of the decisions of workers and firms in determination of wages and employment. Topics include labor supply decisions, marginal productivity theory, discrimination, demand for education, effects of trade unions, immigration and growing wage inequality.  
**Prerequisite:** ECON 32040.  
**Schedule Type:** Lecture  
**Contact Hours:** 3 lecture  
**Grade Mode:** Standard Letter

**ECON 42075 INTERNATIONAL ECONOMIC RELATIONS 3 Credit Hours**  
 Principles, problems and policies of international economic relations with extensive references to the United States, Western Europe, Latin America and former communist countries. Covers international aspects of interdependency, cooperation and multinational institutions.  
**Prerequisite:** ECON 22060 and 22061.  
**Schedule Type:** Lecture  
**Contact Hours:** 3 lecture  
**Grade Mode:** Standard Letter

**ECON 42076 ECONOMIC DEVELOPMENT 3 Credit Hours**  
 (Slashed with ECON 52076) Analysis of nature of significance of barriers to and future potential for economic development of a nation. Special emphasis on theories and strategic factors pertaining to economic growth.  
**Prerequisite:** ECON 22060 and 22061.  
**Schedule Type:** Lecture  
**Contact Hours:** 3 lecture  
**Grade Mode:** Standard Letter

**ECON 42079 EUROPEAN ECONOMIC ISSUES 3 Credit Hours**  
 (Slashed with ECON 52079) This course examines current economic issues in the European Union, including the monetary union and Euro, unemployment, immigration, health care, social security, poverty and inequality, and plans for expansion. The historical development and structure of the EU will also be covered and the role of cultural influences will be explored. In some semesters the course includes a required trip to visit European institutions over the Spring Break, at an additional fee.  
**Prerequisite:** ECON 22060 and ECON 22061; and special approval.  
**Schedule Type:** Lecture  
**Contact Hours:** 3 lecture  
**Grade Mode:** Standard Letter

**ECON 42080 REGIONAL ECONOMICS 3 Credit Hours**  
 (Slashed with ECON 52080) Examines techniques of regional economic analysis to promote understanding of interregional disparities in developed nations and suggests policy alternatives for alleviating problems arising from disparities.  
**Prerequisite:** ECON 22060 and 22061.  
**Schedule Type:** Lecture  
**Contact Hours:** 3 lecture  
**Grade Mode:** Standard Letter

**ECON 42081 URBAN ECONOMICS: CITIES AND HOUSING 3 Credit Hours**  
 (Slashed with ECON 52081) This course is an introduction to the field of urban economics. Urban economics is the study of the location decisions of households and firms. We will explore why cities exist, why firms cluster together, why people live in cities, and other issues such as education, discrimination in housing, the housing crisis and crime. A heavy emphasis in this class will be placed on the study of housing markets, policy and neighborhood choice.  
**Prerequisite:** ECON 22060 and ECON 22061.  
**Schedule Type:** Lecture  
**Contact Hours:** 3 lecture  
**Grade Mode:** Standard Letter

**ECON 42085 PUBLIC ECONOMICS: GOVERNMENT AND POLICY 3 Credit Hours**  
 (Slashed with ECON 52085) Examination of the role of government in the economy, including market failures, the efficiency and equity of taxation, government involvement in health care, education, and income distribution, and current government policy issues.  
**Prerequisite:** ECON 22060.  
**Schedule Type:** Lecture  
**Contact Hours:** 3 lecture  
**Grade Mode:** Standard Letter

**ECON 42086 ECONOMICS OF HEALTH CARE 3 Credit Hours**  
 (Slashed with ECON 52086) This is a one-semester course on a topic of major policy interest, particularly given the current health care reform debate. It is impossible to turn on the news today and not hear a story about the health care industry. Health care accounts for almost 20 percent of all that is produced in the United States. In addition, it has been a major political issue in recent years. The overall objective of the course is to use concepts and tools of economics to understand and evaluate what has and is happening in the health care profession and current policies under consideration.  
**Prerequisite:** ECON 22060.  
**Schedule Type:** Lecture  
**Contact Hours:** 3 lecture  
**Grade Mode:** Standard Letter

**ECON 42189 INTERNATIONAL ECONOMIC EXPERIENCE (DIVG) (ELR) 3 Credit Hours**

(Slashed with ECON 52189) Firsthand exposure to international economics. Includes pre-trip orientation sessions, visits to international businesses and organizations, and opportunities for cultural activities.  
**Prerequisite:** Economics major or minor; and junior standing; and special approval.

**Schedule Type:** International Experience

**Contact Hours:** 9 other

**Grade Mode:** Standard Letter

**Attributes:** Diversity Global, Experiential Learning Requirement

**ECON 42191 SENIOR SEMINAR IN ECONOMICS (WIC) 3 Credit Hours**

This is the culminating requirement for students majoring in Economics. The purpose of the seminar is to critically apply economic principles to a variety of topics in a very interactive setting. Writing and revising will be an important component of the course.

**Prerequisite:** Minimum C- grade in ECON 32040, ECON 32041 and ECON 32050.

**Schedule Type:** Seminar

**Contact Hours:** 3 other

**Grade Mode:** Standard Letter

**Attributes:** Writing Intensive Course

**ECON 42291 VARIABLE CONTENT SEMINAR IN ECONOMICS 1-4 Credit Hours**

(Repeatable for a maximum of 12 hours) (Slashed with ECON 52291) Various special seminars will be announced in the schedule of classes under this course number.

**Prerequisite:** Permission.

**Schedule Type:** Seminar

**Contact Hours:** 1-4 other

**Grade Mode:** Standard Letter

**ECON 42292 INTERNSHIP IN ECONOMICS (ELR) 3 Credit Hours**

(Repeatable for credit) Supervised practical experience in economics. May count toward the economics major electives or as a business elective.

**Prerequisite:** At least two of the following courses: ECON 32040, ECON 32041 or ECON 32050; a minimum 2.250 overall GPA; and economics major; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 9 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**Attributes:** Experiential Learning Requirement

**ECON 42293 VARIABLE TOPIC WORKSHOP IN ECONOMICS 1-6 Credit Hours**

(Repeated registration permitted when topic varies; repeatable for a total of 18 hours) various special workshops will be announced in the schedule of classes under this course number.

**Prerequisite:** Permission.

**Schedule Type:** Workshop

**Contact Hours:** 1-6 other

**Grade Mode:** Satisfactory/Unsatisfactory

**ECON 42295 SPECIAL TOPICS IN ECONOMICS 3 Credit Hours**

(Repeatable for a maximum of 9 credit hours) (Slashed with ECON 52295) Various special topics will be announced in the schedule of classes under this course number.

**Prerequisite:** Special approval.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 42296 INDIVIDUAL INVESTIGATION IN ECONOMICS 1-3 Credit Hours**

(Repeatable for credit) Independent study done under the supervision of a faculty member. Written approval of supervising faculty member and department chair required prior to registration.

**Prerequisite:** Senior Economics major; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter-IP

**ECON 42298 RESEARCH IN ECONOMICS (ELR) 1-6 Credit Hours**

(Repeatable for credit) Research project done under the supervision of a faculty member. Written approval of supervising faculty member and department chair required prior to registration.

**Prerequisite:** Senior Economics major; and special approval.

**Schedule Type:** Research

**Contact Hours:** 1-6 other

**Grade Mode:** Standard Letter-IP

**Attributes:** Experiential Learning Requirement

**ECON 42299 SENIOR PROJECT (ELR) 1-3 Credit Hours**

(Repeatable for credit) Thesis or independent study project done under the supervision of a faculty member. Written approval of supervising faculty member and department chair required prior to registration.

**Prerequisite:** Senior economics major; and special approval.

**Schedule Type:** Senior Project/Honors Thesis

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter-IP

**Attributes:** Experiential Learning Requirement

**ECON 52050 DATA ACQUISITION, PREPARATION AND VISUALIZATION 3 Credit Hours**

(Slashed with ECON 42050) Accessing and collecting data from existing sources (databases and raw data), transformation of raw data into formats that can be used for final analysis, techniques for presentation and visualization of data, predictive analytics using machine learning and cross validation. Students will perform some work in SAS but will also be introduced to the R statistical language.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 52065 PROBLEMS OF MONETARY AND FISCAL POLICY 3 Credit Hours**

(Slashed with ECON 42065) Study of monetary and fiscal policy frameworks and the problems in conducting monetary and fiscal policies.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 52066 ECONOMICS OF ENTREPRENEURSHIP 3 Credit Hours**

(Slashed with ECON 42066) This course presents a wide-ranging overview of the place of economics in entrepreneurship, with a special focus on how economic research is conducted to study the determinants of entrepreneurship.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 52068 INDUSTRIAL ORGANIZATION: FIRMS AND STRATEGY 3 Credit Hours**

(Slashed with ECON 42068) Theoretical, empirical and critical examination of structure, operation and performance of industrial markets in American economy.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 52072 LABOR ECONOMICS: WORK AND PAY 3 Credit Hours**

(Slashed with ECON 42072) The economic analysis of the decisions of workers and firms in determination of wages and employment.

Topics include labor supply decisions, marginal productivity theory, discrimination, demand for education, effects of trade unions, immigration and growing wage inequality. For students that did not attend Kent State University for their undergraduate degree, please contact the department for approval.

**Prerequisite:** ECON 32040; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 52076 ECONOMIC DEVELOPMENT 3 Credit Hours**

(Slashed with ECON 42076) Analysis of nature and significance of barriers to and future potential for economic development of a nation. Special emphasis on theories and strategic factors pertaining to economic growth.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 52079 EUROPEAN ECONOMIC ISSUES 3 Credit Hours**

(Slashed with ECON 42079) This course examines current economic issues in the European Issues, including the monetary union and Euro, unemployment, immigration, health care, social security, poverty and inequality, and plans for expansion. The historical development and structure of the EU are also covered and the role of cultural influences are explored. In some semesters the course includes a required trip to visit European institutions over the Spring Break, at an additional fee.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 52080 REGIONAL ECONOMICS 3 Credit Hours**

(Slashed with ECON 42080) Examines techniques of regional economic analysis to promote understanding of interregional disparities in developed nations and suggests policy alternatives for alleviating problems arising from disparities.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 52081 URBAN ECONOMICS: CITIES AND HOUSING 3 Credit Hours**

(Slashed with ECON 42081) This course is an introduction to the field of urban economics. Urban economics is the study of the location decisions of households and firms. We will explore why cities exist, why firms cluster together, why people live in cities, and other issues such as education, discrimination in housing, the housing crisis, and crime. A heavy emphasis in this class will be placed on the study of housing markets, policy, and neighborhood choice.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 52085 PUBLIC ECONOMICS: GOVERNMENT AND POLICY 3 Credit Hours**

(Slashed with ECON 42085) Examination of public expenditure and taxation policies including the theory of public goods, collective decision making, cost-benefit analysis, equity and efficiency aspects of taxation and current government policy issues.

**Prerequisite:** ECON 22060; and Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 52086 ECONOMICS OF HEALTH CARE 3 Credit Hours**

(Slashed with ECON 42086) This is a one-semester course on a topic of major policy interest, particularly given the current health care reform debate. It is impossible to turn on the news today and not hear a story about the health care industry. Health care accounts for almost 20 percent of all that is produced in the United States. In addition, it has been a major political issue in recent years. The overall objective of the course is to use concepts and tools of economics to understand and evaluate what has and is happening in the health care profession and current policies under consideration.

**Prerequisite:** ECON 22060; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 52189 INTERNATIONAL ECONOMICS EXPERIENCE 3 Credit Hours**

(Slashed with ECON 42189) Firsthand exposure to international economics. Includes pre-trip orientation sessions, visits to international business and organizations, and opportunities for cultural activities.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** International Experience

**Contact Hours:** 9 other

**Grade Mode:** Standard Letter

**ECON 52291 VARIABLE CONTENT SEMINAR IN ECONOMICS 1-4 Credit Hours**

(Repeatable for a maximum of 12 credit hours) (Slashed with ECON 42291) Various special seminars will be announced in the schedule of classes under this course number.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Seminar

**Contact Hours:** 1-4 other

**Grade Mode:** Standard Letter

**ECON 52293 VARIABLE TOPIC WORKSHOP IN ECONOMICS 1-6****Credit Hours**

(Repeatable for a maximum of 18 credit hours) Various special workshops will be announced in the schedule of classes under this course number.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Workshop

**Contact Hours:** 1-6 other

**Grade Mode:** Satisfactory/Unsatisfactory

**ECON 52295 SPECIAL TOPICS IN ECONOMICS 3 Credit Hours**

(Repeatable for a maximum of 9 credit hours) (Slashed with ECON 42295) Various special topics will be announced in the schedule of classes under this course number.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 60199 THESIS I 2-6 Credit Hours**

(Repeatable for credit) Thesis students must register for a total of 6 hours, 2 to 6 hours in a single semester distributed over several semesters if desired.

**Prerequisite:** Graduate standing.

**Schedule Type:** Masters Thesis

**Contact Hours:** 2-6 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ECON 60299 THESIS II 2 Credit Hours**

Thesis students must continue registration each semester until all degree requirements are met.

**Prerequisite:** ECON 60199; and graduate standing.

**Schedule Type:** Masters Thesis

**Contact Hours:** 2 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ECON 62010 SURVEY OF ECONOMICS 3 Credit Hours**

Survey of basic economic concepts and methods of analysis of both micro- and macroeconomics. Emphasis is placed on the use and relevance of economic concepts and tools in business decision-making.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 62015 ECONOMICS OF INFORMATION 3 Credit Hours**

Introduction to microeconomic theory and decision-making and its applications to the information economy. Overview of the economics of information. Consumer behavior and production theory; the demand for information; information as a factor of production; information costs and pricing. Case studies in the information industry.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 62021 MACROECONOMIC ENVIRONMENT OF BUSINESS 2****Credit Hours**

(Slashed with ECON 72021) Analysis of forces determining economic growth, employment, inflation and global economic environment with emphasis on understanding the business cycle and government stabilization policies.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

**ECON 62022 MANAGERIAL ECONOMICS 2 Credit Hours**

(Slashed with ECON 72022) Uses economic theory and quantitative methodologies to develop decision-making skills which enable managers of local, national and multinational companies to evaluate problems and allocate resources efficiently.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

**ECON 62050 MICROECONOMIC THEORY I 3 Credit Hours**

(Slashed with ECON 72050) Formal analysis of foundational models in microeconomics, including consumer and producer theory, an introduction to non-cooperative game theory, market equilibrium under various market structures and a discussion of market failures.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 62051 MACROECONOMIC THEORY I 3 Credit Hours**

(Slashed with ECON 72051) Formal analysis of models in macroeconomics, including models of economic growth, business cycles, consumption, investment, and unemployment, with applications to the analysis of monetary and fiscal policies.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 62052 DATA ACQUISITION AND PREPARATION FOR ACADEMIC RESEARCH 3 Credit Hours**

(Slashed with ECON 72052) Students will learn to access and collect data from existing sources (databases and raw data), prepare the data for further analysis, tabulate/visualize the summary statistics, and perform basic analysis using several different statistical software. The course is designed primarily to aid students with their academic research projects. Students will primarily learn Stata and SAS for data preparation and analysis and Python for scraping texts from various web sources.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 62054 ECONOMETRICS I 3 Credit Hours**

(Slashed with ECON 72054) Introduction to problems and methods of the empirical estimation of economic relationships.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 62055 ECONOMETRICS II 3 Credit Hours**

(Slashed with ECON 72055) Covers generalized linear regression, mixed estimation, simultaneous equation systems, their identification and estimation by single equation and systems estimation.

**Prerequisite:** ECON 62054; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 62056 TIME SERIES ANALYSIS 3 Credit Hours**

(Slashed with ECON 72056) Covers various univariate and multivariate time series models, including autoregressive moving average (ARMA), general autoregressive conditional heteroskedasticity (GARCH), value at risk (VaR), vector autoregressive (VAR) and vector error correction model (VECM), etc. Students will gain hands-on experience with all models learned in the course.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 62061 MONETARY THEORY AND POLICY 3 Credit Hours**

(Slashed with ECON 72061) A study of the nature and definition of money, its relationship to prices, output, employment, and interest rates and problems related to the conduct of monetary policy.

**Prerequisite:** ECON 62021; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 62072 ECONOMICS OF LABOR MARKETS 3 Credit Hours**

The economic analysis of the decisions of workers and firms in determination of wages and employment. Topics include labor supply decisions, marginal productivity theory, discrimination, demand for education, effects of trade unions, immigration and wage inequality.

**Prerequisite:** ECON 32040 or ECON 62022; and ECON 62054 or BA 84023; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 62075 INTERNATIONAL TRADE 3 Credit Hours**

(Slashed with ECON 72075) Study of modern international trade theory and policy, including free trade areas, international trade organizations, current issues in international trade and the effect of international trade on domestic policy.

**Prerequisite:** ECON 62021 and ECON 62022; and graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 62076 INTERNATIONAL FINANCE 3 Credit Hours**

(Slashed with ECON 72076) Formal analysis of models of international monetary relations, including the determination of exchange rates, managed exchange rate policies, balance of payments crises, optimum currency areas, and international capital flows.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 62092 INTERNSHIP IN ECONOMICS 3 Credit Hours**

(Repeatable for credit) Supervised practical experience in economics. Students must have a minimum 3.000 GPA in the economics major within the MAE degree and completed 4 courses from the MAE.

**Prerequisite:** Admitted to the Master of Arts in Economics program; and special approval.

**Schedule Type:** Practical Experience

**Contact Hours:** 3 other

**Grade Mode:** Satisfactory/Unsatisfactory

**ECON 62095 SPECIAL TOPICS IN ECONOMICS 3 Credit Hours**

(Repeatable 3 times for credit) Various special topics will be announced in the Schedule of Classes under this course number.

**Prerequisite:** Graduate standing; and special approval.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 62096 INDEPENDENT STUDY 1-3 Credit Hours**

(Repeatable for credit) Independent study on a particular project or sequence of subjects. Maximum of 6 semester hours of work may be earned in independent study although no more than 3 hours in any one semester.

**Prerequisite:** Graduation standing; and special approval.

**Schedule Type:** Individual Investigation

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter-IP

**ECON 62098 RESEARCH 1-15 Credit Hours**

(Repeatable for credit) Research for master's students. May apply toward degree requirements if approved in advance by department.

**Prerequisite:** Graduate standing.

**Schedule Type:** Research

**Contact Hours:** 1-15 other

**Grade Mode:** Standard Letter

**ECON 62180 REGIONAL ECONOMICS 3 Credit Hours**

Examines techniques of regional economic analysis with the object of promoting understanding of interregional disparities in developed nations and policies for alleviating problems arising from disparities.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 62199 THESIS I 2-6 Credit Hours**

Thesis students must register for total of 6 hours, 2 to 6 hours in a single semester, distributed over several semesters if desired.

**Prerequisite:** Graduate standing and special approval of adviser.

**Schedule Type:** Masters Thesis

**Contact Hours:** 2-6 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ECON 62299 THESIS II 2 Credit Hours**

Thesis students must continue registration each semester until all degree requirements are met.

**Prerequisite:** ECON 62199; and graduate standing.

**Schedule Type:** Masters Thesis

**Contact Hours:** 2 other

**Grade Mode:** Satisfactory/Unsatisfactory-IP

**ECON 64004 QUANTITATIVE METHODS IN BUSINESS****ADMINISTRATION I 3 Credit Hours**

(Slashed with ECON 74004) Covers the mathematical tools that are of central importance in economics in the context of economic examples. Topics include functions, matrix algebra, differential calculus, optimization, integration and dynamic analysis.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 72021 MACROECONOMIC ENVIRONMENT OF BUSINESS 2 Credit Hours**

(Slashed with ECON 62021) Analysis of forces determining economic growth, employment, inflation and global economic environment with emphasis on understanding the business cycle and government stabilization policies.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

**ECON 72022 MANAGERIAL ECONOMICS 2 Credit Hours**

(Slashed with ECON 62022) Uses economic theory and quantitative methodologies to develop decision-making skills which enable managers to evaluate problems and allocate resources efficiently.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 2 lecture

**Grade Mode:** Standard Letter

**ECON 72050 MICROECONOMIC THEORY I 3 Credit Hours**

(Slashed with ECON 62050) Formal analysis of foundational models in microeconomics, including consumer and producer theory, an introduction to non-cooperative game theory, market equilibrium under various market structures and a discussion of market failures.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 72051 MACROECONOMIC THEORY I 3 Credit Hours**

(Slashed with ECON 62051) Formal analysis of models in macroeconomics, including models of economic growth, business cycles, consumption, investment, and unemployment, with applications to the analysis of monetary and fiscal policies.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 72052 DATA ACQUISITION AND PREPARATION FOR ACADEMIC RESEARCH 3 Credit Hours**

(Slashed with ECON 62052) In this course, students will learn to access and collect data from existing sources (databases and raw data), prepare the data for further analysis, tabulate/visualize the summary statistics, and perform basic analysis using several different statistical software. The course is designed primarily to aid students with their academic research projects. Students will primarily learn Stata and SAS for data preparation and analysis and Python for scraping texts from various web sources.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 72054 ECONOMETRICS I 3 Credit Hours**

(Slashed with ECON 62054) Introduction to problems and methods of the empirical estimation of economic relationships.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 72055 ECONOMETRICS II 3 Credit Hours**

(Slashed with ECON 62055) Covers generalized linear regression, mixed estimation, simultaneous equation systems, their identification and estimation by single equation and systems estimation.

**Prerequisite:** ECON 62054; and doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 72056 TIME SERIES ANALYSIS 3 Credit Hours**

(Slashed with ECON 62056) Covers various univariate and multivariate time series models, including autoregressive moving average (ARMA), general autoregressive conditional heteroskedasticity (GARCH), value at risk (VaR), vector autoregressive (VAR) and vector error correction model (VECM), etc. Students will gain hands-on experience with all models learned in the course.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 72061 MONETARY THEORY AND POLICY 3 Credit Hours**

(Slashed with ECON 62061) Study of money in promoting exchange, its relationship to prices, output, employment, interest rates and banking and issues related to the conduct of monetary policy.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 72075 INTERNATIONAL TRADE 3 Credit Hours**

(Slashed with ECON 62075) Study of modern international trade theory and policy, including free trade areas, international trade organizations, current issues in international trade and the effect of international trade on domestic policy.

**Prerequisite:** ECON 62021 and ECON 62022; and doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 72076 INTERNATIONAL FINANCE 3 Credit Hours**

(Slashed with ECON 62076) Formal analysis of models of international monetary relations, including the determination of exchange rates, managed exchange rate policies, balance of payments crises, optimum currency areas, and international capital flows.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter



**ECON 72180 REGIONAL ECONOMICS 3 Credit Hours**

Examines techniques of regional economic analysis with the object of promoting understanding of interregional disparities in developed nations and policies for alleviating problems arising from disparities.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 74004 QUANTITATIVE METHODS IN BUSINESS ADMINISTRATION I 3 Credit Hours**

(Slashed with ECON 64004) Covers the mathematical tools that are of central importance in economics in the context of economic examples. Topics include functions, matrix algebra, differential calculus, optimization, integration and dynamic analysis.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 82024 SEMINAR IN APPLIED ECONOMIC ANALYSIS 3 Credit Hours**

Discussion and analysis of selected current economic problems confronting the economy and the business sector. Emphasis will be on applied analysis.

**Prerequisite:** Doctoral standing.

**Schedule Type:** Seminar

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 82072 ECONOMICS OF LABOR MARKETS 3 Credit Hours**

The economic analysis of the decisions of workers and firms in determination of wages and employment. Topics include labor supply decisions, marginal productivity theory, discrimination, demand for education, effects of trade unions, immigration and wage inequality.

**Prerequisite:** ECON 32040 or ECON 62022; and ECON 62054 or BA 84023; and doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter