

# DEPARTMENT OF ECONOMICS

**College of Business Administration**  
 Department of Economics  
 480 Business Administration Building  
 Kent Campus  
 330-672-2366  
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 www.kent.edu/business/economics

## Undergraduate Programs

- Economics - B.B.A.

## Minors

- Data Analytics
- Doctoral Economics
- Economics

## Graduate Programs

- Economics - M.A.E.

## Department of Economics Faculty

- Barnette, Justin (2011), Assistant Professor, Ph.D., University of Minnesota-Twin Cities, 2012
- Dechenaux, Emmanuel (2004), Professor, Ph.D., Purdue University, 2004
- ElBahnasawy, Nasr G. (2007), Associate Professor, Ph.D., Colorado State University, 2008
- Ellis, Michael A. (1990), Associate Professor, Ph.D., Texas A&M University, 1991
- Engelhardt, Lucas M. (2010), Assistant Professor, Ph.D., The Ohio State University, 2010
- Greenhalgh-Stanley, Nadia (2009), Associate Professor, Ph.D., Syracuse University, 2009
- Harris, Jeremiah R. (2014), Assistant Professor, Ph.D., Purdue University, 2014
- Hayduk, Iryna (2014), Assistant Professor, Ph.D., University of Houston, 2014
- Johnson, Eric D. (2005), Associate Professor, Ph.D., University of California-San Diego, 1997
- Kang, Wensheng (2009), Associate Professor, Ph.D., University of Missouri, 2009
- Leontieva, Ludmila (2007), Lecturer
- Liu, Dandan (2008), Associate Professor, Ph.D., Texas A&M University, 2005
- Mukherjee, Deepraj (2012), Assistant Professor, Ph.D., University of Memphis, 2010
- Park, Jooyoun (2009), Associate Professor, Ph.D., University of Michigan, 2009
- Reynolds, Curtis (2007), Associate Professor, Ph.D., University of Michigan, 2007
- Rohlin, Shawn M. (2012), Associate Professor
- Sahajdack, Thomas (2016), Assistant Professor, Ph.D., University of Illinois, 2016

- Williams, Donald R. (1983), Professor and Department Chair, Ph.D., Northwestern University, 1984
- 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

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

Course covers principles and policies affecting prices, including factor incomes, under alternative market structures. Students develop tools to examine social problems, including poverty, crime, pollution and international relations.

**Prerequisite:** Minimum 45 ALEKS math score; or minimum 22 ACT math score; or minimum 530 SAT math score; or one course from MATH 00023 to 49999.

**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. Not open to students who have completed ECON 32030.

**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**

Analysis of how an economy such as the United States operates from an aggregate perspective. The determination for the level of income, employment, inflation, international trade and economic growth is analyzed. Discussion of monetary and fiscal policies.

**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 MIS 24056.

**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 model to data involving time varying variables and non-linear models. The initial part of the course focusses on models for discrete and limited dependent variables. The second course segment addresses estimation methods for panel data including fixed and random effects models. The final course segment provides an overview of time series estimation with an emphasis on forecasting in economic data. The time series segment includes components on the forecasting of trend, seasonal and cyclical components in ARMA models.

**Prerequisite:** ECON 32050.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 32070 LABOR PROBLEMS 3 Credit Hours**

Surveys of the major institutions, features and functioning of the labor market as well as some of its outstanding problems. Does not count toward economics major or minor. Not open to students who have completed ECON 42072.

**Prerequisite:** ECON 22060 and 22061.

**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:** MIS 24056.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

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

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 AND PUBLIC POLICY 3 Credit Hours**

(Cross-listed 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 ECONOMICS OF LABOR MARKETS 3 Credit Hours**

(Cross-listed 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**

(Cross-listed 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**

(Cross-listed 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 3 Credit Hours**

(Cross-listed with ECON 52081) Application of economic principles to urban spatial patterns, economic development and public policy in housing, transportation, pollution, welfare, etc.

**Prerequisite:** ECON 22060 and 22061.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 42085 PUBLIC FINANCE 3 Credit Hours**

(Cross-listed with ECON 52085) 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.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 42086 ECONOMICS OF HEALTH CARE 3 Credit Hours**

(Cross-listed with ECON 52086) Overall objective is to use economic analysis to understand and evaluate what has and is happening to the health care profession and current health care policies under consideration. Topics include issues such as Medicare, health care reform, HMOs and increasing costs in health care.

**Prerequisite:** ECON 22060.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 42187 INTERNATIONAL ECONOMIC EXPERIENCE 3 Credit Hours**

Firsthand exposure to international economics. Includes pre-trip orientation sessions, visits to international businesses and organizations, and opportunities for cultural activities.

**Prerequisite:** Economics (ECON) major or minor; Junior standing and special approval.

**Schedule Type:** Field Experience

**Contact Hours:** 9 other

**Grade Mode:** Standard Letter

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

Advanced investigation of selected topics in economic analysis and issues in economic policy.

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

**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) (Cross-listed 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. Satisfactory/unsatisfactory (S/U) graded. In-progress (IP) mark permissible.

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

**Schedule Type:** Practicum or Internship

**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) (Cross-listed 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 42297 VARIABLE TOPIC COLLOQUIUM IN ECONOMICS 1-3 Credit Hours**

(Repeated registration permitted when topic varies; Repeatable for a total of 9 hours) Various special colloquia will be announced in the schedule of classes under this number.

**Prerequisite:** Permission.

**Schedule Type:** Colloquium

**Contact Hours:** 1-3 other

**Grade Mode:** Standard Letter

**ECON 42298 RESEARCH IN ECONOMICS 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

**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**

Analysis of objectives, techniques and economic effects of monetary and fiscal policies.

**Prerequisite:** ECON 32041 or ECON 62021; and 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 AND PUBLIC POLICY 3 Credit Hours**  
 (Cross-listed 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 ECONOMICS OF LABOR MARKETS 3 Credit Hours**  
 (Cross-listed 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; Graduate standing.  
**Schedule Type:** Lecture  
**Contact Hours:** 3 lecture  
**Grade Mode:** Standard Letter

**ECON 52076 ECONOMIC DEVELOPMENT 3 Credit Hours**  
 (Cross-listed 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**  
 (Cross-listed 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 3 Credit Hours**  
 (Cross-listed with ECON 42081) Application of economic principles to urban spatial patterns, economic development, and public policy in housing, transportation, pollution, welfare, etc.  
**Prerequisite:** Graduate standing.  
**Schedule Type:** Lecture  
**Contact Hours:** 3 lecture  
**Grade Mode:** Standard Letter

**ECON 52085 PUBLIC FINANCE 3 Credit Hours**  
 (Cross-listed 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:** ECON22060; Graduate standing.  
**Schedule Type:** Lecture  
**Contact Hours:** 3 lecture  
**Grade Mode:** Standard Letter

**ECON 52086 ECONOMICS OF HEALTH CARE 3 Credit Hours**  
 (Cross-listed with ECON 42086) Overall objective is to use economic analysis to understand and evaluate what has and is happening to the health care profession and current health care policies under consideration. Topics include issues such as Medicare, health care reform, HMO's and increasing costs in health care.  
**Prerequisite:** Graduate standing and ECON 62022.  
**Schedule Type:** Lecture  
**Contact Hours:** 3 lecture  
**Grade Mode:** Standard Letter

**ECON 52187 INTERNATIONAL ECONOMICS EXPERIENCE 3 Credit Hours**  
 (Slashed with ECON 42187) 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:** Field 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) (Cross-listed 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) (Cross-listed 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 52297 VARIABLE TOPIC COLLOQUIUM IN ECONOMICS 1-3 Credit Hours**

(Repeatable for a maximum of 9 credit hours) Various special colloquia will be announced in the schedule of classes under this number.

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

**Schedule Type:** Colloquium

**Contact Hours:** 1-3 other

**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 GLOBAL CONDITIONS AND MACROECONOMICS POLICY 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) Comprehensive analysis of methodology of economics, consumer behavior production and costs the firm, markets and welfare economics. (It would be useful if the student had some facility in integral and differential calculus)

**Prerequisite:** ECON 62022; and 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) Analysis of the determination of the level of income, employment inflation economic growth consumption investment money demand and supply the international sector and economic policy are discussed.

**Prerequisite:** ECON 62021; ECON 62022; and 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**

Covers various linear and non-linear time series models, market risk and value at risk (VAR). Students will gain hands on-experience with all models learned in the course. This course uses advanced analytical software and hardware on the financial engineering trading floor.

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

**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 MIS 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) Study of the international monetary relations between nations, including the determination of exchange rates, managed exchange rate policies, balance of payments crises, optimum currency areas, and international capital flows.

**Prerequisite:** ECON 62021 and Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 62077 ECONOMIC PROBLEMS OF DEVELOPING AREAS 3 Credit Hours**

In-depth analysis of selected topics and issues in development economics.

**Prerequisite:** ECON 52076 and 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; special approval.

**Schedule Type:** Practicum or Internship

**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-S/U

**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) Introduction to fundamentals of matrix algebra, differential calculus and linear programming. Both algebraic and transcendental functions are included in discussion.

**Prerequisite:** Graduate standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

**ECON 72021 GLOBAL CONDITIONS AND MACROECONOMIC POLICY ANALYSIS 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) Comprehensive analysis of methodology of economics, consumer behavior, production and costs, the firm, markets and welfare economics. It would be useful if the student had some facility in integral and differential calculus.

**Prerequisite:** ECON 62022 and 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) Analysis of the determination of the level of income, employment, inflation, economic growth, consumption, investment, money demand and supply, the international sector and economic policy are discussed.

**Prerequisite:** ECON 62021; ECON 62022 and 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**

Covers various linear and nonlinear time series models, market risk and value at risk (VAR). Students will gain hands on-experience with all models learned in the course. This course uses advanced analytical software and hardware on the financial engineering trading floor.

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

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter

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

(Slashed with ECON 62061) 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 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) Study of the international monetary relations between nations, including the determination of exchange rates, managed exchange rate policies, balance of payments crises, optimum currency areas and, international capital flows.

**Prerequisite:** ECON 62021 and 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) Introduction to fundamentals of matrix algebra, differential calculus and linear programming. Both algebraic and transcendental functions are included in discussion.

**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 BAD 84023 and Doctoral standing.

**Schedule Type:** Lecture

**Contact Hours:** 3 lecture

**Grade Mode:** Standard Letter