DEPARTMENT OF ECONOMICS

College of Business Administration
Department of Economics
480 Business Administration Building
Kent Campus
330-672-2366
economics@kent.edu
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
• Bagheri, Omid (2017), Assistant Professor, Ph.D., Virginia Tech, 2017
• 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), 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), Associate Professor
• 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,
• Kang, Wensheng (2009), Associate Professor
• Kocher, Brett (2019), Assistant Professor, Ph.D., Claremont Graduate School, 2019
• Leontieva, Ludmila (2007), Assistant Professor
• Liu, Dandan (2008), Associate Professor, Ph.D., Texas A&M University, Main Campus, 2005
• Mukherjee, Deepraj (2012), Associate Professor, Ph.D., University of Memphis, 2010
• Park, Jooyoun (2009), Associate Professor
• Reynolds, Curtis (2007), Associate Professor
• Rohlin, Shawn M. (2012), Associate Professor
• Sahajdack, Thomas (2016), Assistant Professor, Ph.D., University of Illinois, 2016
• Shaeye, Abdihaiti (2018), Assistant Professor, Ph.D., University of Wisconsin, Milwaukee, 2017
• 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 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 45 ALEKS math score; or minimum 22 ACT math score; or minimum 530 SAT math score; or MATH 00023 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. 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
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 MGMT 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 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 (DVMD)    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: MGMT 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: 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
(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
(Slashed with ECON 52080) Analysis of nature of significance of factors contributing to and future potential for economic growth of national economies, regions and states, with emphasis on industrial structure, agglomeration and economic development. Topics include 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 42081  URBAN ECONOMICS: CITIES AND HOUSING  3 Credit Hours
(Slashed 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 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
(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 major or minor; and 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: ECON 32050, ECON 32040 and ECON 32041 with a minimum C- grade.
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.
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: 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
(Repeatable 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 (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

ECON 42299 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: 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  
(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: CITIES AND HOUSING  3 Credit Hours  
(Slashed 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 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  
(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: ECON 62022; and graduate standing.  
Schedule Type: Lecture  
Contact Hours: 3 lecture  
Grade Mode: Standard Letter  

ECON 52087  INTERNATIONAL ECONOMICS EXPERIENCE  3 Credit Hours  
(Slashed with ECON 42087) 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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Grade Mode</th>
<th>Contact Hours</th>
<th>Schedule Type</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>ECON 52295</td>
<td>SPECIAL TOPICS IN ECONOMICS</td>
<td>3</td>
<td>Credit Hours</td>
<td>3</td>
<td>Lecture</td>
<td>Graduate standing; and special approval.</td>
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<tr>
<td>ECON 62022</td>
<td>MANAGERIAL ECONOMICS</td>
<td>2</td>
<td>Credit Hours</td>
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<td>Lecture</td>
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<td>(Slashed with ECON 72022)</td>
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<td>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.</td>
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<td>Prerequisite: ECON 62022; and graduate standing.</td>
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<tr>
<td>ECON 62021</td>
<td>GLOBAL CONDITIONS AND MACROECONOMICS POLICY</td>
<td>2</td>
<td>Credit Hours</td>
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<td>Lecture</td>
<td>Graduate standing; and special approval.</td>
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<td>(Slashed with ECON 72021)</td>
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<td>Analysis of forces determining economic growth, employment, inflation and global economic environment with emphasis on understanding the business cycle and government stabilization policies.</td>
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<td>Prerequisite: ECON 62021; and graduate standing.</td>
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<tr>
<td>ECON 62054</td>
<td>ECONOMETRICS I</td>
<td>3</td>
<td>Credit Hours</td>
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<td>Introduction to problems and methods of the empirical estimation of economic relationships.</td>
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<td>Prerequisite: ECON 62054; and graduate standing.</td>
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<tr>
<td>ECON 62055</td>
<td>ECONOMETRICS II</td>
<td>3</td>
<td>Credit Hours</td>
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<td>Lecture</td>
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<td>Covers generalized linear regression, mixed estimation, simultaneous equation systems.</td>
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<td>普览er: ECON 62054; and graduate standing.</td>
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<tr>
<td>ECON 62056</td>
<td>TIME SERIES ANALYSIS</td>
<td>3</td>
<td>Credit Hours</td>
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<td>Lecture</td>
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<td>Covers various linear and non-linear time series models, market risk and value at risk (VAR).</td>
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<td>Students will gain hands-on-experience with all models learned in the course.</td>
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<td>This course uses advanced analytical software and hardware on the financial engineering trading floor.</td>
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<td>Prerequisite: ECON 62056; and graduate standing.</td>
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<tr>
<td>ECON 62061</td>
<td>MONETARY THEORY AND POLICY</td>
<td>3</td>
<td>Credit Hours</td>
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<td>Lecture</td>
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<td>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.</td>
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<td>Prerequisite: ECON 62061; and graduate standing.</td>
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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 62078  INVESTMENTS  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: Research
Contact Hours: 1-15 other
Grade Mode: Standard Letter-IP

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-IP

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: 2-6 other
Grade Mode: Satisfactory/Unsatisfactory-IP

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 and 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 MIS 84023; and doctoral standing.
Schedule Type: Lecture
Contact Hours: 3 lecture
Grade Mode: Standard Letter

ECON 82075  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 82076  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 82180  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 94004 QUANTITATIVE METHODS IN BUSINESS ADMINISTRATION II  3 Credit Hours
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

ADMINISTRATION I  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 92024  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 92075  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 92076  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 92180  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 94004 QUANTITATIVE METHODS IN BUSINESS ADMINISTRATION II  3 Credit Hours
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

ADMINISTRATION II  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 96004 QUANTITATIVE METHODS IN BUSINESS ADMINISTRATION III  3 Credit Hours
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

ADMINISTRATION III  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 96004 QUANTITATIVE METHODS IN BUSINESS ADMINISTRATION IV  3 Credit Hours
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

ADMINISTRATION IV  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