

ECONOMICS

Economics

*College of Social & Behavioral Sciences,
Department of Economics
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Web site: www.mnstate.edu/dept/economics*

Chair: Ved Sharma

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Economics aims to provide the student with the basic materials and tools of analysis used to understand our present economic system, and to organize data for decision-making purposes in both short and long-range planning. It is designed to help those contemplating business or other careers as well as those who are preparing to teach in the social studies.

Admission to Major. Students enrolling in 300-400 level courses must be admitted to the program. Admission is granted by the department. Minimum university admission requirements are:

- a minimum of 32 earned semester credit hours.
- a minimum cumulative GPA of 2.00 ("C").

Contact the department for application procedures.

ECONOMICS BA

Required for Major (Core, 25 credits):

ECON 201 Principles of Macroeconomics (3)
ECON 202 Principles of Microeconomics (3)
ECON 207 Business Statistics (4)
ECON 301 Quantitative Methods in Economics (3)
ECON 355 Intermediate Microeconomics (3)
ECON 356 Intermediate Macroeconomics (3)
ECON 445 History of Economic Thought (3)
ECON 462 Econometrics (3)
ECON 482 Senior Seminar (3)

Required Electives for Major (12 credits):

ECON xxx ECON xxx ECON xxx ECON xxx

Required for Bachelor of Arts (BA) degree ONLY: Language (8)

Required Minor: Yes. Any.

ECONOMICS BS

Required for Major (Business Foundation Requirements, 31 credits):

ACCT 200 Financial Accounting (3)
ACCT 210 Managerial Accounting (3)
BLAW 200 Legal, Political and Regulatory Environment of Business (3)
ISYS 101 Personal Productivity with Information Systems (3)
FINA 362 Business Finance (3)
MATH 112 College Algebra (4)
MGMT 200 Introduction to MIS (3)
MRKT 310 Principles of Marketing (3)
MGMT 330 Principles of Management (3)
MGMT 346 Production and Operations Management (3)

Required Electives for Major (9 credits):

ECON xxx ECON xxx ECON xxx

Required Minor: None.

ECONOMICS EMPHASES

The following areas of emphasis are sets of recommended courses that students may find useful in loaning for future careers. It is not necessary to complete any of these areas of emphasis to major in economics. Nor is it necessary to com-

plete all the recommended courses in any area below. Students may consider the suggested economics courses in these areas of emphasis for their required electives in the economics major.

LABOR ECONOMICS EMPHASIS

Labor economics provides a useful and necessary focus leading toward employment in a variety of occupations such as personnel specialist manpower analyst, contract compliance specialist and labor-management relations.

Recommended Courses for Specialization Emphasis

ECON 403 Labor Economics (3)
ECON 406 Collective Bargaining (3)
ECON 408 Government Regulation of Labor Relations (3)
MGMT 440 Human Resource Management (3)
MGMT 442 Compensation Management (3)
MGMT 444 Organization Design (3)
MGMT 480 Human Behavior in Organizations (3)

ECONOMICS OF THE PUBLIC INTEREST EMPHASIS

A background useful in securing positions in many federal, state and city government departments. In addition, many large corporations have full-time staff employees to handle areas of public interest.

Recommended Courses for Emphasis

ECON 314W Current Economic Issues (3)
ECON 411 Urban Economics (3)
ECON 412 Resource and Environmental Economics (3)
ECON 420 International Economics (3)
ECON 425 Social Control of Economic Activity (3)
ECON 440 Public Finance (3)
ECON 462 Econometrics (3)

FINANCIAL ECONOMICS EMPHASIS

An emphasis useful in the pursuit of careers in financial institutions and government agencies. Banks and other financial intermediaries hire economics majors for various roles. Internships can often be arranged.

Recommended Courses for Emphasis

ECON 305 Money and Banking (3)
ECON 405 Central Banking (3)
ECON 420 International Economics (3)
FINA 464 Financial Institutions and Markets (3)
FINA 482 Commercial Bank Management (3)
BLAW 455 Legal Aspects of Banking and Finance (3)

Graduate School Preparation

Students who are considering graduate school in economics should note that the following courses in mathematics are typically required for admission to graduate school in economics:

MATH 121 Calculus I
MATH 122 Calculus II
MATH 247 Linear Algebra

The following courses are recommended as well:

ECON 462 Econometrics
MATH 321 Ordinary Differential Equations

Students who may be interested in applying to graduate school are advised to contact a member of the department as soon as possible for further guidance and information.

ECONOMICS MINOR

Required for Minor (Core, 6 credits)

ECON 201 Principles of Macroeconomics (3)

ECON 202 Principles of Microeconomics (3)

Required Electives for Minor (12 credits)

ECON xxx ECON xxx ECON xxx ECON xxx

POLICIES/INFORMATION

P/N Grading Policy. Up to six credit hours of electives in the major may be taken as P/N grading. ECON 481 and ECON 498 must be taken as P/N grading.

GPA Policy. A minimum cumulative grade point average of 2.0 is required for all courses taken in the major and minor.

Center for Economic Education Dr. Ashok Chowdhury, Director. The Center for Economic Education seeks to improve the teaching of economics in elementary and secondary schools. Working in close cooperation with the Minnesota Council on Economic Education and the National Council on Economic Education, the center provides teacher instruction, research, library lending and other services to area schools. Begun in 1964, the Center conducts an annual Economics Challenge in which teams of high school students compete to demonstrate their understanding of economics.

COURSE DESCRIPTIONS**ECON 100 (3) An Introduction to the U.S. Economy**

Brief description of the operation of the US economic system illustrated by a discussion of current economic policies, issues, and problems. No credit toward a major, minor, or area with economics as a core, or if credit has been earned in ECON 201 and/or ECON 202, or equivalent.

Fall, Spring
GE-5

ECON 199 (1) CLEP Economics**ECON 201 (3) Principles of Macroeconomics**

Emphasis on forces influencing employment and inflation. Current problems of the economy are stressed along with tools government has to cope with them.

Fall, Spring
GE-5

ECON 202 (3) Principles of Microeconomics

Examines decision making by the individual firm, the determination of prices and wages, and current problems facing business firms.

Fall, Spring
GE-5

ECON 207 (4) Business Statistics

Basic statistical methods including measures of central tendency and dispersion, probability, probability distributions, sampling, problems of estimation and hypothesis testing in the case of one and two sample means and proportions. Chi-Square, one-way analysis of variance, simple regression and correlation analysis, and brief introduction to multiple regression analysis. Use of computer statistical packages required.

Pre: MATH 112 or equivalent
Fall, Spring

ECON 301 (3) Quantitative Methods in Economics

This course will introduce the student to the use of mathematics in economic analysis. Topics include optimization methods, comparative statics, and linear algebra.

Pre: ECON 201, ECON 202, ECON 207, MATH 112 or equivalent
Fall, Spring

ECON 305 (3) Money and Banking

A descriptive and analytical study of the basic principles of money, banking, and finance as they are related to business and public policy.

Pre: ECON 201 and ECON 202
Fall, Spring

ECON 314W (3) Current Economic Issues

Elementary economic background and analysis of housing, medical care, inflation, unemployment dilemma, pollution, poverty and affluence, balance between

public and private sectors, transportation, urban problems, and other issues will be covered in this course.

Fall
GE-1C, GE-5, GE-8 CD-Related

ECON 355 (3) Intermediate Microeconomics

A survey of imperfect competition, multiple-product firms, multiple-plant firms, and interest theory, designed to develop a system of economic thought.

Pre: ECON 201, ECON 202 and ECON 301
Fall, Spring

ECON 356 (3) Intermediate Macroeconomics

Study of factors determining aggregate level of production, employment, inflation, and implications of monetary and fiscal policies.

Pre: ECON 201, ECON 202 and ECON 301
Fall, Spring

ECON 372 (3) Industrial Organization

This course is an introduction to non-competitive markets using economic models and game theory.

Fall, Spring
Pre: ECON 201, ECON 202 and ECON 207

ECON 403 (3) Labor Economics

Employment, wages, and economic security. The structure and impact of labor organizations and labor legislation.

Pre: ECON 201 and ECON 202
Fall, Spring

ECON 405 (3) Central Banking

A detailed examination of the Federal Reserve System and monetary policy. The topics will include a history of the Federal Reserve and its monetary tools and strategies: Monetarism, the demand for money, the money supply process, and the impact of financial deregulation on federal policy.

Pre: ECON 305
Spring

ECON 406 (3) Collective Bargaining

Emphasis on philosophy, structure, process of negotiation, grievances, arbitrations, important developments and trends, and economic impact of collective bargaining.

Pre: ECON 201 and ECON 202
Spring

ECON 407 (3) Forecasting Techniques in Economics and Business

Students will learn different forecasting techniques commonly used in business and economics. A forecasting computer software package will be used to do statistical analyses and prepare forecasts. The topics covered in the course are Moving Averages, Exponential Smoothing, Preliminaries of Differential Calculus, Regression Methods, Time-Series Decomposition, Box-Jenkins (ARIMA) Type Forecasting Models.

Pre: ECON 201, ECON 202, & ECON 207.

ECON 408 (3) Government Regulation of Labor Relations

A historical review of the past public policy concerning labor organizations, an analysis of the economic causes and effects of the negotiations of labor, current economic problems in labor legislation, and the role of federal and state governments in the industrial relations.

Pre: ECON 201 and ECON 202
Fall

ECON 411 (3) Urban Economics

Economic forces which account for the development of cities and application of principles to some of the major problems of the modern urban community.

Pre: ECON 201 and ECON 202
Variable

ECON 412 (3) Resource and Environmental Economics

Concepts and techniques for evaluating the alternative uses, management and

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development of natural resources.
Pre: ECON 201 and ECON 202
Fall

ECON 416 (3) Sports Economics

This course examines the economics of professional and collegiate sports and sports institutions. Students examine the market for sports competitions, the labor market for player talent, and the role government plays in the business of sports.

Pre: ECON 202
Spring

ECON 420 (3) International Economics

The economic rationale for interregional trade: emphasis on current problems.
Pre: ECON 201 and ECON 202
Fall, Spring

ECON 425 (3) Social Control of Economic Activity

Considers the role of government in the implementation of social values such as freedom, equality, efficiency and justice in those areas where markets are imperfect or fail. Theoretical, historical and philosophical treatment of these issues as manifested in the development of the antitrust laws and economic and social regulation.

Pre: ECON 201 and ECON 202

ECON 429 (3) Economic Education

Fundamental ideas and structure of economics with emphasis on the application of such ideas in the K-12 school curriculum.

Variable

ECON 440 (3) Public Finance

Public expenditures, taxes and other revenues, debts and financial administration at federal, state, and local levels.
Pre: ECON 201 and ECON 202
Fall

ECON 445 (3) History of Economic Thought

A survey and analysis of the development of economic ideas treated in historical perspective.
Pre: ECON 201 and ECON 202
Fall

ECON 446 (3) American Economic Development

An examination of major trends and events of US history from colonial times to the present, using tools of economic analysis. Major topics include role of transportation, economic impact of the Civil War, role of government in the economy, trends in money and banking, and the Great Depression.

Pre: ECON 201 and ECON 202
Variable

ECON 450 (3) Economic Development

Economic underdevelopment and the relationships between mature economies and developing nations.
Pre: ECON 201 and ECON 202
Fall

ECON 462 (3) Econometrics

The study of methods and techniques for building econometric models with the goal of forecasting and measurement of the economic relationships by integrating economic theory and statistics in it.
Pre: ECON 201, ECON 202, and ECON 207

ECON 463 (3) Applied Econometrics of Financial Markets

This course is designed to cover basic tools in time series analysis and to equip students with quantitative skills to analyze the financial market.
Pre: ECON 207
Fall

ECON 480 (1-3) Seminar in Economics

Pre: ECON 201 and ECON 202
Variable

ECON 481 (1-3) Readings in Economics

Fall, Spring

ECON 482 (3) Senior Seminar

This course will be required of all economics majors and is intended to facilitate the synthesis of the economics concepts learned in other courses. Students will undertake a research and writing assignment as a course requirement.

Pre: ECON 355 and ECON 356 and senior standing.
Fall, Spring

ECON 491 (1-3) In-Service

ECON 498 (3) Internship

Pre: ECON 201 and ECON 202
Fall, Spring

ECON 499 (1-3) Individual Study

Pre: ECON 201 and ECON 202
Fall, Spring