

**240. Intermediate Modern Dance**

**0.5 course unit**

Concentration on specific techniques fundamental to modern dance: mobilizing weight, articulating joints, increasing range, and incorporating strength. Additional attention to movement expression: phrasing, dynamics, and rhythm.

**241. Accelerated Intermediate Modern Dance**

**0.5 course unit**

For the advanced intermediate student.

**250. Experiential Anatomy & Somatic Practice for Dancers**

**0.5 course unit**

This course is designed to provide a studio experience for investigation of applied anatomy and kinesiology with particular emphasis on movement re-patterning. Readings focus on the historical development and practical applications of a variety of somatic practices whose purpose is to change mental and physical action to produce a healthier and more balanced moving body. Studio work emphasizes participation in at least one form of somatic practice and how it enhances study in the traditional dance technique class. Written work investigates the connections between theory, science, and functionality.

**310. Advanced Ballet**

**0.5 course unit**

Concentration on specific techniques fundamental to expertise in classical ballet. Increasingly complex combinations at the barre and in center work. Further development of performance technique and personal style in the classical genre. Composition and point work included at discretion of instructor.

**320. Advanced Jazz Dance**

**0.5 course unit**

Advanced principles of jazz dancing: complex rhythmic analysis, extended movement phrases, development of individual jazz dance style. Compositional studies in jazz dance.

**330. Advanced Jazztap**

**0.5 course unit**

Advanced principles of tap dance, including improvisation, choreography, complex rhythmic analysis, and development of individual style.

**340. Advanced Modern Dance**

**0.5 course unit**

Refinement of technical clarity, performance skills, and composition. Musicality, interpretation, and learning longer movement sequences.

***ECONOMICS (ECN)***

*Department Chair:* Professor Arthur Raymond

*Professors:* Heitmann, Kish-Goodling, Marshall

*Associate Professors:* Dale, Knox

*Visiting Professor:* Laposata

*Distinguished Visiting Scholar:* Walsh

*Internship Director:* Eisenberg

The economics major provides students with a comprehensive understanding of the fundamental principles that underlie the functioning of the market system and the national and international economy and the analytical and quantitative skills needed for a thoughtful assessment of current economic issues and policies. Additionally, the major prepares students for graduate work in business and economics and careers with business and government.

The department houses a chapter of Omicron Delta Epsilon, the international honor society in economics.

## ***SPECIAL PROGRAMS***

### ***Education Abroad***

Besides Muhlenberg's traditional education abroad programs, an international program has been designed especially for students in the Accounting, Business, and Economics Department. The program is offered through the Center for European Studies at the University of Maastricht in the Netherlands and would generally be taken during the fall semester of the junior year, but fall semester enrollment during the senior year is possible. In this program, students attend courses in European business, economics, and politics, taught in English. Besides deepening global and cultural awareness, students have opportunities to travel to France, Belgium, and Germany, all of which are less than thirty minutes away, and meet business and political leaders from those countries.

Participating students take three courses as a cohort and, additionally, individually enroll in a fourth course selected from the University of Maastricht's regular (English language) course offerings. The three commonly enrolled courses have been approved by the faculty as Muhlenberg courses (see page 61). All business or economics courses enrolled by participating students may be used to satisfy major requirements. Early consultation with your faculty advisor is encouraged.

### ***Honors Program***

A departmental honors program is available on an application basis to students who establish outstanding academic records in their major field (minimum of 3.500). Interested students should discuss the requirements and rewards of this program with their faculty advisor before the end of their junior year.

### ***Internship Opportunities***

The department has an extensive internship program that provides the economics major with a wide range of opportunities to gain valuable work experience. Supervised paid and unpaid internships, which contribute to the Muhlenberg degree, are available during the regular school year. In addition, the department offers assistance in obtaining paid summer internships that may also contribute to the degree.

## ***PROGRAM REQUIREMENTS***

### ***Major Requirements***

The economics curriculum balances the academic interests and career intentions of its majors. The program outlined below emphasizes analytical and quantitative skills. In order to declare and remain a major in good standing, a student must achieve and maintain a cumulative grade point average of at least 2.000 in all courses applicable to

the major. Students majoring/minoring in economics cannot take accounting, business, economics, or finance courses on a pass-fail basis.

A major in economics must complete 11 courses as outlined below:

**Foundations:**

ECN 101 Principles of Macroeconomics  
ECN 102 Principles of Microeconomics  
MTH 119 Statistical Analysis (preferably) **OR**  
MTH 104 Statistical Methods  
MTH 121 Calculus I

**Core:**

ECN 220 or 221 Intermediate Microeconomic Theory  
ECN 222 or 223 Intermediate Macroeconomic Theory  
ECN 350 or 351 Econometrics **OR**  
BUS 333 or 334 Forecasting Models

**Elective Courses (Choose four):**

ECN 243 or 244 Health Care Economics  
ECN 245 or 246 Environmental Economics  
ECN 247 or 248 Economics of Men & Women at Work  
ECN 249 or 250 Economics of Natural Resources & Sustainability  
ECN 332 or 333 Public Finance  
ECN 334 or 335 International Trade & Globalization  
ECN 336 or 337 Economic Growth & International Development  
ECN 338 or 339 Labor Economics  
ECN 340 or 341 History of Economic Thought  
ECN 348 or 349 Industrial Organization & Strategic Behavior  
HST 325 or 326 American Economic History

In addition to the above courses, students may choose to take *no more than two finance courses to meet the requirements of the major.*

**Minor Requirements**

A minor in economics must complete seven courses of work as outlined below:

**Required Courses:**

ECN 101 Principles of Macroeconomics  
ECN 102 Principles of Microeconomics  
ECN 220 or 221 Intermediate Microeconomic Theory  
ECN 222 or 223 Intermediate Macroeconomic Theory  
MTH 121 Calculus I

**Electives (Choose two):**

ECN 243 or 244 Health Care Economics  
ECN 245 or 246 Environmental Economics

ECN 247 or 248 Economics of Men & Women at Work  
ECN 249 or 250 Economics of Natural Resources & Sustainability  
ECN 332 or 333 Public Finance  
ECN 334 or 335 International Trade & Globalization  
ECN 336 or 337 Economic Growth & International Development  
ECN 338 or 339 Labor Economics  
ECN 340 or 341 History of Economic Thought  
ECN 348 or 349 Industrial Organization & Strategic Behavior

Students pursuing a minor in economics must choose electives with the close consultation of their advisor. There are some courses not included in the list of electives for the minor that may be deemed appropriate by the student and advisor.

### ***Advice for Economics Majors***

1. ECN 101 Principles of Macroeconomics and ECN 102 Principles of Microeconomics can be taken in any order. Both courses may be taken during either the first or second years.
2. Students are well advised to enroll in ECN 220 or 221 Intermediate Microeconomic Theory and ECN 222 or 223 Intermediate Macroeconomic Theory before or simultaneous with enrolling in any economics course numbered 300 or greater.
3. MTH 121 Calculus I should be completed during the first year.
4. MTH 119 Statistical Analysis **OR** MTH 104 Statistical Methods should be completed during the sophomore year. MTH 119 Statistical Analysis is the preferred statistics course.
5. Students planning on going on to graduate school in economics or finance are encouraged to take MTH 122 Calculus II, MTH 226 Linear Algebra, MTH 227 Differential Equations, and MTH 223 Calculus III.

## ***COURSES***

### **101. Principles of Macroeconomics**

The fundamental determinants of economic activity, inflation, depression, international finance, and development. Monetary, banking, and fiscal institutions are considered in relation to their role in contemporary public policies designed to cope with these problems.

*Meets general academic requirement B.*

### **102. Principles of Microeconomics**

The operation of the price mechanism in modern enterprise economies. Allocation of resources and distribution of income in competitive and monopolistic markets for products, labor, and other resources. Contemporary issues in microeconomic theory and policy are examined.

*Meets general academic requirement B.*

### **220, 221. Intermediate Microeconomic Theory**

A specialized examination of certain aspects of price analysis, such as the consumer, the firm, market structures, price determination, and income distribution.

*Prerequisite: ECN 102 Principles of Microeconomics and MTH 121 Calculus I*

*Meets general academic requirement W when offered as 221.*

**222, 223. Intermediate Macroeconomic Theory**

An advanced treatment of the concepts of national income growth and fluctuations in the light of both Keynesian and post-Keynesian income theories.

*Prerequisite: ECN 101 Principles of Macroeconomics and ECN 102 Principles of Microeconomics*

*Meets general academic requirement W when offered as 223.*

**243, 244. Health Care Economics**

The purpose of this course is to study the facts, concepts, and analyses necessary to understand national health care. The emphasis of the course will be on the economic arguments for or against alternative public policy initiatives in health care and public and private health care systems.

*Prerequisite: ECN 101 Principles of Macroeconomics or ECN 102 Principles of Microeconomics*

*Meets general academic requirement W when offered as 244.*

**245, 246. Environmental Economics**

This course explores the relationship between the economy and the environment. Mainstream economic theories and policies will be analyzed from a critical and American policy perspective. The impact of externalities, social costs, property rights, market controls, government regulations, and economic development on environmental protection will be analyzed. Other topics covered will include accounting for pollution and resource depletion in GDP statistics, cost-benefit analysis, population, and sustainable development. Offered in the spring semesters of odd numbered years.

*Prerequisite: ECN 101 Principles of Macroeconomics or ECN 102 Principles of Microeconomics*

*Meets general academic requirement W when offered as 246.*

**247, 248. Economics of Men & Women at Work**

An examination and comparison of the behavior and problems of men and women in the economy as workers, consumers, and household members. Economic institutions and outcomes will be analyzed using neoclassical or mainstream economic theories contrasted with newly emerging feminist economic research and theoretical perspectives. Offered in fall semesters of odd numbered years.

*Prerequisite: ECN 101 Principles of Macroeconomics or ECN 102 Principles of Microeconomics*

*Meets general academic requirement W when offered as 248.*

**249, 250. Economics of Natural Resources & Sustainability**

The application of economic principles to the allocation and use of renewable and nonrenewable natural resources and the study of the environmental integrity of economic development. More than one-half of the course is devoted to the development of the economic principles used to (1) study natural resource use and allocation and (2) understand the economic and political systems in which natural resource decisions are made. The remainder of the course applies these principles to specific natural resources, including population, minerals, energy, forest products, water, wildlife, and biodiversity.

*Prerequisites: ECN 101 Principles of Macroeconomics or ECN 102 Principles of Microeconomics*

*Meets general academic requirement W when offered as 250.*

**332, 333. Public Finance**

Analysis of government's role in a mixed economy. Principles of government expenditure and taxation and structure of the U.S. tax system, with emphasis on tax incidence and the effect of tax and spending policies on economic efficiency. The effects of the public debt and deficit are analyzed. Offered in the spring semesters of even numbered years.

*Prerequisite: ECN 220 or 221 Intermediate Microeconomic Theory*

*Meets general academic requirement W when offered as 333.*

**334, 335. International Trade & Globalization**

The study of the benefits and costs of international trade, including the effects of trade on employment, the distribution of income within nations and across nations, and the environment. The public policy implications will be a central part of the analysis of international trade.

*Prerequisite: ECN 101 Principles of Macroeconomics and ECN 102 Principles of Microeconomics.*

*Meets general academic requirement W when offered as 335.*

**336, 337. Economic Growth & International Development**

The course begins with an introduction of the concept and measurement of economic growth and development. Models of growth and development processes are then analyzed. Problems in areas such as population, education, savings and capital formation, natural resources, foreign trade, foreign aid, etc. are examined, and possible policy measures are explored.

*Prerequisite: ECN 101 Principles of Macroeconomics and ECN 102 Principles of Microeconomics.*

*Meets general academic requirement W when offered as 337.*

**338, 339. Labor Economics**

Labor market analysis both in micro as well as in macro contexts. In microanalysis, subjects such as wage determination, wage differentials, labor mobility, etc. will be discussed. The macroanalysis covers, among other topics, the relationship between wages, prices, and employment; general unemployment and its cures; labor productivity; and labor share in national income.

*Prerequisite: ECN 101 Principles of Macroeconomics and ECN 102 Principles of Microeconomics. ECN 220 or 221 Intermediate Microeconomic Theory and ECN 222 or 223 Intermediate Macroeconomic Theory recommended*  
*Meets general academic requirement W when offered as 339.*

**340, 341. History of Economic Thought**

This course traces the development of systematic economic reasoning from the pre-Mercantilist period to modern times. Attention is given to the influence of changing economic conditions and institutions on the progress of economic thought. The seminal ideas of Smith, Malthus, Ricardo, Marx, Walras, Marshall, Keynes, and others are examined. The schools of economic thinking that grew out of the work of these major contributors are studied, including Classical, Marginalist, Neo-Classical, Institutional, Keynesian, and Radical economics. The evolution of mainstream economics from its early beginnings as laissez-faire political economy to its contemporary scientific approach is considered. The role of scientific methodology in economic inquiry is examined. The historical roots of current economic issues and debates are studied.

*Prerequisite: ECN 220 or 221 Intermediate Microeconomic Theory and ECN 222 or 223 Intermediate Macroeconomic Theory*  
*Meets general academic requirement W when offered as 341.*

**348, 349 Game Theory & Applications**

This course will introduce the student to game theory and its applications in describing the behavior of firms and individuals. We shall examine market structure and its effect on firm behavior and apply modern analytic techniques to develop a thorough understanding of strategic decisions.

*Prerequisite: ECN 220 or 221 Intermediate Microeconomic Theory or permission of instructor*  
*Meets general academic requirement W when offered as 349.*

**350, 351. Econometrics**

The use of statistical techniques to estimate structural relationships in economics and finance. The basic statistical model employed is the ordinary least squares model in its bivariate and multi-variate form. Tests and corrections for violations of the assumptions of the ordinary least squares model will be developed. Students will be required to use an econometrics computer program.

*Prerequisite: ECN 220 or 221 Intermediate Microeconomic Theory or ECN 222 or 223 Intermediate Macroeconomic Theory and MTH 121 Calculus I and MTH 119 Statistical Analysis or MTH 104 Statistical Methods*

*Meets general academic requirement W when offered as 351.*

**960. Economics Internship**

Under faculty supervision, students will be placed in internship positions with local business and other related organizations in order to gain experience in the application of the theories and concepts learned in the classroom. Students will be required to document their experiences in a written journal, to share their experiences with others in a classroom setting, and to prepare a significant term paper or project report.  
*Open to juniors and seniors only. Pass-fail only.*

**EDUCATION (EDU)**

*Department Chair: Professor Michael J. Carbone*

*Associate Professor: Rosenberg*

*Assistant Professor: Shive*

*Instructor and Coordinator of Professional Programs: Kim*

*Director of Student Teaching Programs and Lecturer: Byrne*

*Director of Fieldwork Programs and Instructor: Richwine*