

# Economics Courses

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## Courses

### **ECON 5302. Microeconomic Theory.**

Microeconomic Theory (3-0) The determination of prices and output. The theory of markets ranging from perfect competition through monopolistic competition and oligopoly to monopoly. The theory of the firm and the industry. Welfare implications of the price determination. Restricted to majors: ACCT, BSAD, and ECON. Prerequisite: ECON 3303 or ECON 5311.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**Major Restrictions:**

Restricted to majors of ACCT, BAMA, BSAD, ECON

**Prerequisite(s):** (ECON 3303 w/C or better ) OR (ECON 5311 w/C or better)

### **ECON 5303. Macroeconomic Theory.**

Macroeconomic Theory (3-0) The analysis of the determination of total income in the economy and related problems. Strong emphasis is given the theory of money, and the relationship between government policy and economic activity. Restricted to majors: ACCT, BSAD, and ECON. Prerequisites: ECON 3302 or ECON 5312 and MATH 2301 or the equivalent.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**Major Restrictions:**

Restricted to majors of ACCT, BAMA, BSAD, ECON

**Prerequisite(s):** (ECON 3302 w/C or better ) OR (ECON 5312 w/C or better ) AND (MATH 2301 w/C or better ) OR (MATH 1411 w/C or better ) OR (MATH 1312 w/C or better ) OR (MATH 2313 w/C or better ) OR (MATH 2326 w/C or better ) OR (MATH 1411A w/C or better AND MATH 1411B w/C or better AND MATH 1411C w/C or better)

### **ECON 5305. Applied Mathematical Economics.**

Applied Mathematical Economics (3-0) A problem oriented survey of the mathematical techniques utilized in economics, finance, and public policy analysis. Topics to be covered include matrix algebra, optimization problems, comparative statics, dynamics, and game theory. The purpose of the course is to introduce students to the quantitative methods necessary to understand the current literature in Economics and Finance. Restricted to majors: ACCT, BSAD, CIS, ECON, FIN, MGMT, and MKT. Prerequisite: MATH 2301 or MATH 1411 or QMB 5311 or ECON 3372 or department approval.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**Prerequisite(s):** (MATH 2301 w/C or better ) OR (MATH 1411 w/C or better ) OR (QMB 5311 w/C or better ) OR (ECON 3372 w/C or better)

### **ECON 5311. Managerial Economics.**

Managerial Economics (3-0). An evaluative study of the theory of economic decision-making in individual firms, groups of firms, and industries under market conditions ranging from competitive to monopoly .

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**ECON 5320. Monetary & Fiscal Pol & Prob.**

Monetary and Fiscal Policies and Problems (3-0) An analysis and critique of monetary and fiscal policies and problems designed to facilitate economic stability and economic progress. Emphasis is given to development and application of techniques used for analysis of economic activity, in-depth studies of stabilization policies and their effects, and analysis of problems inherent in the economic system. Restricted to majors: ACCT, ECON, and BSAD. Prerequisite: ECON 3302 or 5312 each with a grade of "C" or better or department approval.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**Prerequisite(s):** (ECON 3302 w/C or better ) OR (ECON 5312 w/C or better)

**ECON 5321. Public Choice.**

ECON 5321: Public Choice (3-0) Public Choice analyzes public sector decisions using economic tools. Various models developed by public choice theorists will be investigated in detail. These models analyze concepts such as the rational voter theorem, optimal taxation rules, bureaucracy theory, the impact of special interest groups on political outcomes, club theory and local government finance, constitutional decision- making, regulation theory, and the median voter theorem. An advanced knowledge of markets and private sector behavior is necessary to fully comprehend the topics that will be discussed. In order to fully comprehend these models, a reasonable knowledge of calculus and econometrics is also required. Prerequisites: ECON 5302 or elementary regression analysis or elementary calculus or departmental approval.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**Prerequisite(s):** (ECON 5302 w/C or better)

**ECON 5330. Public Sector Economics.**

Public Sector Economics analyzes the theoretical justification for the public sector including topics such as the provision of public goods, externalities, regulation, taxation, and expenditure behavior. The subject of the course analyzes the incentives of voters and political agents in making collective decisions. The current fiscal environment of federal, state, and local governments is analyzed as well. Prerequisite: ECON 3303 with a grade of C or higher.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**Prerequisite(s):** (ECON 3330 w/C or better)

**ECON 5334. Urban Economics.**

Urban Economics (3-0) This course provides an overview of urban and regional economics. Spatial theory, growth patterns, and business cycle impacts on metropolitan development provide the basic framework from which the various topics are to be covered. Additional topics receiving coverage will include urban real estate markets, labor mobility, transportation, growth, public policy analysis, taxation, development, and regional income performance. Prerequisite: ECON 5305 with a grade of "C" or better or instructor approval.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**Prerequisite(s):** (ECON 5305 w/C or better)

**ECON 5338. Economic Impact Modeling.**

This course provides an introduction to economic impact modeling and analysis. Topics covered include input/output matrices and modeling uses, benefit/cost analyses, impact multipliers, fiscal consequences, infrastructure systems, and project design. Prerequisite: ECON 5305.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**Prerequisite(s):** (ECON 5305 w/C or better)

**ECON 5350. Industrial Organization/Policy.**

Industrial Organization and Policy (3-0) Selected topics in the structure, conduct, and regulation of business and public policy toward business.

Restricted to majors: ACCT, BSAD, and ECON. Prerequisite: ECON 3303 or ECON 5311.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**Prerequisite(s):** (ECON 3303 w/C or better ) OR (ECON 5311 w/C or better)

**ECON 5360. Global Econ Environment-Mgrs.**

Global Economic Environment for Managers (3-0). Economic principles of the flow of goods, services, and capital funds across international borders.

Analysis of existing national and international economic institutions influencing international trade and capital flow. Restricted to majors: ACCT, BAMA, BSAD, and ECON.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**ECON 5361. Applied International Economic.**

Applied International Economics (3-0) An applications oriented survey of international trade and balance of payments issues, exchange rate modeling and analysis, and regional agreements designed to eliminate tariff and nontariff barriers to international commerce in the Americas. Prerequisite:

Department approval.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**ECON 5365. Economic Development.**

Economic Development (3-0) A critical analysis of policies designed to achieve economic growth in less developed countries. Topics include monetary and fiscal measures, development of human resources, capital formation, investment allocation, introduction of new technologies and coordination of domestic policies with the international economy. Restricted to majors: ACCT, BSAD, and ECON. Prerequisite: ECON 3302 or ECON 5312.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**Prerequisite(s):** (ECON 3302 w/C or better ) OR (ECON 5312 w/C or better)

**ECON 5366. Latin American Economics.**

Latin American Economics (3-0) A study of the existing economic institutions in Latin America. Applications of economic principles to Latin American economic problems and policy. The emphasis is institutional rather than analytical. Restricted to major: ACCT, BSAD, and ECON. Prerequisites: ECON 3302 or ECON 5312 or department approval.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**Major Restrictions:**

Restricted to majors of ACCT, BAMA, BSAD, ECON

**Prerequisite(s):** (ECON 3302 w/C or better ) OR (ECON 5312 w/C or better)

**ECON 5367. Country Risk Analysis.**

Country Risk Analysis (3-0) The application of national income and product account statements, international balance of payment statements, and external indebtedness calculations to international business decisions is studied. Advanced economic and financial ratio analysis utilization in loan repayment likelihood estimation is also developed. Prerequisites: ECON 2303 or ECON 5304 or instructor approval.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**Prerequisite(s):** (ECON 2303 w/C or better ) OR (ECON 5304 w/C or better)

**ECON 5368. Border Economics.**

Border Economics (3-0) This course provides an introduction to the field of international border economics with special emphasis on issues and topics dealing with the border zone between Mexico and the United States. Coverage will include border crossings, exchange rates, international migration, water economics, regional economic trends, relative economic performance measures, and applied econometric analysis. Econometric techniques to be utilized include cross section, system of simultaneous equations, and time series methodologies. Prerequisite: ECON 5305 with a grade of "C" or better or instructor approval.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**Prerequisite(s):** (ECON 5305 w/C or better)

**ECON 5369. Health Economics.**

Health Economics This is an introductory course covering theory of health economics as applied to the analysis of the organization and financing of health and healthcare services. A general background of the economic issues faced by the US Healthcare system will be provided, including a review of healthcare insurance, policy issues and healthcare reform. At the end of this course, students will be able to: 1) Understand the importance of the healthcare sector in the U.S. economy, and describe the organization, service delivery modalities, stakeholders, and financing of healthcare services; 2) Describe main economic theories of consumer and producer behavior used to analyze the healthcare sector; and, 3) Apply economic analysis theory to explain the economic forces influencing conditions and trends in the health care sector.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**ECON 5370. Applied Econometrics.**

Applied Econometrics (3-0) Linear and nonlinear regression methodologies, elementary time series analysis, and other introductory econometric topics will be treated. The course is designed to provide basic expertise in the application of econometric techniques to hypothesis testing, model building, diagnostic testing, and simulation analysis. Restricted to majors: ACCT, BSAD, and ECON. Prerequisite: ECON 5305.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**Major Restrictions:**

Restricted to majors of ACCT, BAMA, BSAD, ECON

**Prerequisite(s):** (ECON 5305 w/C or better)

**ECON 5371. Econometric Forecasting.**

Econometric Forecasting (3-0) A survey of univariate time series, single equation, and multi-equation systems approaches to applied econometric forecasting analysis. Topics to be covered include autoregressive-moving storage average (ARIMA) modeling, model identification, estimation, diagnostic checking and out-of- sample simulation. Applications will be drawn from Latin American business conditions, exchange rate, inflation, national income, and balance of payments forecasting methods. Restricted to majors: ECON, ACCT, MGMT, MKT, and UDS. Prerequisites: ECON 5370 and department approval.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**Prerequisite(s):** (ECON 5370 w/C or better)

**ECON 5372. Panel Data & Discrt Chce Modls.**

This course provides an introduction to panel data plus binary and multiple-outcome qualitative response econometric methods. Panel topics to be covered are fixed effects and random-effects. Discrete choice qualitative response topics to be covered include linear probability, probit, logit, ordered logit, nested logit, and multinomial logit models. Prerequisite: ECON 5371.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**Prerequisite(s):** (ECON 5371 w/D or better)

**ECON 5392. Directed Indiv Study-Economics.**

Directed Individual Study in Economics (0-0-3) This course may be repeated, but no more than three semester credit hours may be applied to satisfy the requirements for master's degree. Restricted to majors: ACCT, BSAD, and ECON. Prerequisite: Department approval.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

0 Lecture Hours

3 Other Hours

**Major Restrictions:**

Restricted to majors of ACCT, BAMA, BSAD, ECON

**ECON 5393. Special Topics.**

ECON 4393: Special Topics (3-0) This course is utilized to investigate special topics and current issues in Economics. It may be repeated for credit when the topic varies. Prerequisite: Departmental approval.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**ECON 5398. Thesis.**

Thesis (0-0-3) Restricted to majors: ACCT, BSAD, and ECON. Prerequisite: Department approval.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

0 Lecture Hours

3 Other Hours

**ECON 5399. Thesis.**

Thesis (0-0-3) Restricted to majors: ACCT, BSAD, and ECON. Prerequisites: ECON 5398 and department approval.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

0 Lecture Hours

3 Other Hours

**Prerequisite(s):** (ECON 5398 w/P or better)

**ECON 6370. Applied Econometrics.**

Applied Econometrics: Linear and nonlinear regression methodologies, elementary time series analysis, and other introductory econometric topics will be treated. The course is designed to provide basic expertise in the application of econometric techniques to hypothesis testing, model building, diagnostic testing, and simulation analysis.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours

**ECON 6372. Panel Data & Discr Chce Modls.**

Panel Data and Discrete Choice Models: This course provides an introduction to panel data plus binary and multiple-outcome qualitative response econometric methods. Panel topics to be covered are fixed effects and random-effects. Discrete choice qualitative response topics to be covered include linear probability, probit, logit, ordered logit, nested logit, and multinomial logit models.

**Department:** Economics

**3 Credit Hours**

**3 Total Contact Hours**

0 Lab Hours

3 Lecture Hours

0 Other Hours