

Economics

IN THE COLLEGE OF ARTS AND LETTERS

OFFICE: Nasatir Hall 329

TELEPHONE: 619-594-1675 / **FAX:** 619-594-5062

WEBSITE: <http://economics.sdsu.edu/>

Faculty

Emeritus: Adler, Boddy, Clement, Frantz, Gerber, Gifford, Grossbard, Hambleton, Kartman, Leasure, Madhavan, Nam, Popp, Poroy, Sebold, Steinberg, Stewart, Thayer, Turner, Venieris

Chair: Foad

Professors: Hilmer, C., Hilmer, M., Imazeki, Lee, Sabia, Shadbegian

Associate Professors: Balsdon, Foad, Shahriar

Assistant Professors: Abman, Fe, Liang, Lundberg

Offered by the Department

Master of arts degree in economics.

Major in economics with the B.A. degree in liberal arts and sciences.

Emphasis in international economics.

Emphasis in public policy.

Minor in economics.

The Major

Economics is the science which studies the production, distribution, and consumption of goods and services. Economics majors explore how producers, distributors, and consumers make their decisions. Majors also analyze the events that shape and result from these decisions. Inflation, unemployment, taxation, money and banking, efficiency, international exchange, and growth are some of the many parts of this complex system studied through the economics major at SDSU.

The Department of Economics offers two emphases which students may select to satisfy a wide range of career goals: (1) International Economics, where students can focus on worldwide economic policy and global business; and (2) Public Policy, in which students prepare for graduate study in law school, health administration, and business administration. A specialization in Quantitative Analysis is also offered which focuses on developing analytical and mathematical skills for conducting economic research. A fourth option is the comprehensive program offered in the general economics major, which provides breadth by covering areas from the emphases and specialization.

Economics majors may find employment in government, financial institutions, business, and international agencies. The combination of an economics major with a business minor provides a foundation for a variety of careers. And, students interested in studying the developing nations, the environment, government policies, or population will find that economics is a useful approach.

Many entry-level positions in business and government are available to students with a bachelor's degree in economics. A graduate may find employment as a research, statistical, data, or pricing analyst. There are management trainee positions with banks, savings and loan associations, or other lending institutions. Economics majors may also be employed as sales representatives for firms which produce both "high tech" and consumer-related goods. A student contemplating graduate study in the field of economics should consider a career as an economics consultant, or as an economist for banks, investment companies or industry.

Impacted Program

The economics major is an impacted program. To be admitted to the economics major, students must meet the following criteria:

- Complete with a grade of C (2.0) or better: Economics 101, 102; Economics 201 or Statistics 119 or 250; one course selected from Mathematics 120, 124, or 150; Management Information Systems 180. These courses cannot be taken for credit/no credit (Cr/NC);
- Have a cumulative GPA of 2.40 or better;
- To be admitted to the emphasis in international economics (major code 22041), students must, in addition to satisfying the criteria above, also satisfy the language requirement for the Bachelor of Arts degree in Liberal Arts and Sciences;
- To be admitted to the emphasis in public policy (Major Code: 22041), students must, in addition to satisfying the criteria above, also complete Communication 160 with a grade of C (2.0) or better. Course cannot be taken for credit/no credit (Cr/NC).

To complete the major, students must fulfill the degree requirements for the major described in the catalog in effect at the time they are accepted into the premajor at SDSU (assuming continuous enrollment).

Advising

All College of Arts and Letters majors are urged to consult with their department adviser as soon as possible; they are required to meet with their department adviser within the first two semesters after declaration or change of major.

Major Academic Plans (MAPs)

Visit <http://www.sdsu.edu/mymap> for the recommended courses needed to fulfill your major requirements. The MAPs website was created to help students navigate the course requirements for their majors and to identify which General Education course will also fulfill a major preparation course requirement.

Economics Major

With the B.A. Degree in Liberal Arts and Sciences

(Major Code: 22041) (SIMS Code: 111901)

All candidates for a degree in liberal arts and sciences must complete the graduation requirements listed in the section of this catalog on "Graduation Requirements." No more than 48 units in economics courses can apply to the degree.

A minor is not required with this major.

Preparation for the Major. Economics 101, 102; Economics 201 or Statistics 119 or 250; one course selected from Mathematics 120, 124, or 150; Management Information Systems 180. (15 units)

These prerequisite courses may not be taken Cr/NC; except for courses taught as Cr/NC only. The minimum grade in each class is C (2.0) or better.

Students completing the California Community College Associate in Arts in Economics for Transfer (AA-T) will satisfy preparation for the major. If Management Information Systems 180 was not completed as part of the AA-T, it must be completed at SDSU.

Language Requirement. Competency (successfully completing the third college semester or fifth college quarter) is required in one foreign language to fulfill the graduation requirement. Refer to section of catalog on "Graduation Requirements."

Graduation Writing Assessment Requirement. Passing the Writing Placement Assessment with a score of 10 or completing one of the approved upper division writing courses (W) with a grade of C (2.0) or better. See "Graduation Requirements" section for a complete listing of requirements.

Major. A minimum of 27 upper division units to include Economics 301, 320, 321, and 18 units of electives. At least six units of electives selected from the international group: Economics 330,

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360, 365, 460, 463, 464, 466, 561, 592. Maximum nine units of Economics 496 or 596; maximum three units of 499; and maximum three units of 495 may be applied to the major. Units of 495, 496, 499, 596 may be counted towards the international group requirement as approved by adviser.

Emphasis in International Economics

(SIMS Code: 111920)

Preparation for the Major. Economics 101, 102; Economics 201 or Statistics 119 or 250; Mathematics 120, 124, or 150; Management Information Systems 180. (15 units)

These prerequisite courses may not be taken Cr/NC; except for courses taught as Cr/NC only. The minimum grade in each class is C (2.0) or better.

Language Requirement. Successful completion of a course in a foreign language at the fourth semester or higher level, that is, one course beyond the B.A. language requirement. Students who have graduated from high school in another country where the language of instruction is not English have met the language requirement for this major.

Graduation Writing Assessment Requirement. Passing the Writing Placement Assessment with a score of 10 or completing one of the approved upper division writing courses (W) with a grade of C (2.0) or better. See "Graduation Requirements" section for a complete listing of requirements.

Study/Internship Abroad Requirement. Completion of a study abroad or internship abroad of at least 12 units of coursework or six units of the internship course in another nation. Students may also choose to complete a combination of nine units of study and three units of the internship abroad. Students who have graduated from high school outside the U.S. meet this requirement by studying at SDSU.

Major. A minimum of 33 upper division units (27 units in economics) and six to seven units from the Fowler College of Business to include Economics 301, 320, 321.

- At least 12 units of electives must be selected from the international group: Economics 330, 360, 365, 460, 463, 464, 466, 561, 592.
- Up to six units of electives may be selected from Economics 311, 338, 349, 380, 382, 401, 403, 406, 422, 441, 449W, 455, 456, 485, 490.
- Six to seven units selected from Business Administration 323 and Finance 329, or Business Administration 350 and Management 357, or Business Administration 370 and Marketing 376.

Maximum nine units of Economics 496 or 596 and maximum three units of 499 may be substituted into groups A or B as appropriate with approval of adviser except for Economics 360, 561, or 592. Maximum three units of 495 may be substituted into group A with appropriate international content as approved by adviser.

Emphasis in Public Policy

(SIMS Code: 111961)

Preparation for the Major. Economics 101, 102; Economics 201 or Statistics 119 or 250; Mathematics 120, 124, or 150; Communication 160; Management Information Systems 180. (18 units)

These prerequisite courses may not be taken Cr/NC; except for courses taught as Cr/NC only. The minimum grade in each class is C (2.0) or better.

Language Requirement. Competency (successfully completing the third college semester or fifth college quarter) is required in one foreign language to fulfill the graduation requirement. Refer to section of catalog on "Graduation Requirements."

Graduation Writing Assessment Requirement. Passing the Writing Placement Assessment with a score of 10 or completing one of the approved upper division writing courses (W) with a grade of C (2.0) or better. See "Graduation Requirements" section for a complete listing of requirements.

Major. A minimum of 30 upper division units in economics to include Economics 301, 320, 321, Business Administration 323, and 18 units of electives in economics.

- At least 12 units selected from the public policy group: Economics 311, 338, 349, 380, 382, 401, 403, 406, 422, 441, 449W, 455, 456, 485, 487, 490.
- Three units of electives selected from the international group: Economics 330, 360, 365, 460, 463, 464, 466, 561, 592.
- Three additional units of upper division economics electives.

Maximum nine units of Economics 496 or 596 may be substituted as upper division electives with approval of adviser. Maximum three units of 495 and maximum three units of 499 may be substituted into group A with appropriate policy content as approved by adviser.

Specialization in Quantitative Analysis

(SIMS Code: 111970)

Preparation for the Major. Economics 101, 102; Economics 201 or Statistics 119 or 250; Mathematics 150; Management Information Systems 180. (16 units)

These prerequisite courses may not be taken Cr/NC; except for courses taught as Cr/NC only. The minimum grade in each class is C (2.0) or better.

Language Requirement. Competency (successfully completing the third college semester or fifth college quarter) is required in one foreign language to fulfill the graduation requirement. Refer to section of catalog on "Graduation Requirements."

Graduation Writing Assessment Requirement. Passing the Writing Placement Assessment with a score of 10 or completing one of the approved upper division writing courses (W) with a grade of C (2.0) or better. See "Graduation Requirements" section for a complete listing of requirements.

Major. A minimum of 27 upper division units in economics to include Economics 301, 320, 321, 441, 507, and 12 units of upper division economics electives, with at least six units at the 400 or 500 level. Maximum nine units of Economics 496 or 596 may be substituted as upper division elective with approval of adviser. Maximum three units of 495 and maximum three units of 499 may be substituted as upper division elective with appropriate quantitative content as approved by adviser.

Economics Minor

(SIMS Code: 111901)

The minor in economics consists of a minimum of 18 units in economics to include Economics 101 and 102, and 320 or 321, and at least nine units of electives selected from one of the following tracks:

International Economics: Economics 330, 360, 365, 460, 463, 464, 466, 561, 592. A maximum of three units of Economics 495, 496, and 499 may be used to satisfy the nine unit elective requirement with prior permission from the department.

Public Policy Economics: Economics 311, 338, 349, 380, 382, 401, 403, 406, 422, 441, 449W, 455, 456, 485, 487, 490. A maximum of three units of Economics 495, 496, and 499 may be used to satisfy the nine unit elective requirement with prior permission from the department.

Quantitative Economics: Economics 301, 441, 507. A maximum of three units of Economics 495, 496, and 499 may be used to satisfy the nine unit elective requirement with prior permission from the department.

Courses in the minor may not be counted toward the major, but may be used to satisfy preparation for the major and general education requirements, if applicable. A minimum of six upper division units must be completed in residence at San Diego State University.

Courses (ECON)

Refer to *Courses and Curricula and University Policies* sections of this catalog for explanation of the course numbering system, unit or credit hour, prerequisites, and related information.

LOWER DIVISION COURSES**ECON 101. Principles of Economics (3) [GE]**

Prerequisite: Satisfaction of the SDSU Mathematics/Quantitative Reasoning Assessment requirement.

Principles of economic analysis, economic institutions, and issues of public policy. Emphasis on macroanalysis including national income analysis, money and banking, business cycles, and economic stabilization.

ECON 102. Principles of Economics (3) [GE]

Prerequisite: Satisfaction of the SDSU Mathematics/Quantitative Reasoning Assessment requirement.

Principles of economic analysis, economic institutions, and issues of public policy. Emphasis on direction of production, allocation of resources, and distribution of income, through the price system (microanalysis); and international economics.

ECON 201. Statistical Methods (3) [GE]

Introduction to descriptive statistics, statistical inference, regression and correlation. Students with credit or concurrent registration in the following lower division statistics courses will be awarded a total of four units for the two (or more) courses: Economics 201; Administration, Rehabilitation and Postsecondary Education 201; Biology 215; Civil Engineering 160; Linguistics 270; Political Science 201; Psychology 280; Sociology 201; Statistics 119 or 250.

ECON 296. Experimental Topics (1-4)

Selected topics. May be repeated with new content. See *Class Schedule* for specific content. Limit of nine units of any combination of 296, 496, 596 courses applicable to a bachelor's degree.

UPPER DIVISION COURSES

(Intended for Undergraduates)

ECON 301. Collection and Use of Data in Economics (3)

Prerequisites: Economics 101 and 102; Economics 201 or Statistics 119; and Management Information Systems 180.

Economic data gathering via Internet and other sources, data entry into spreadsheets and graphing techniques, statistics using spreadsheets, and introduction to basic regression.

ECON 311. History of Economic Thought (3)

Prerequisites: Economics 101 and 102.

The development of economics. Contributions of schools of thought and individual writers are examined with regard to their influence on economic theory and policy.

ECON 320. Intermediate Macroeconomic Theory (3)

Prerequisites: Economics 101 with approval of department. Recommended: Mathematics 120 or 124 or 150.

Determination of output, income, unemployment, and inflation. Policies for economic stabilization and growth in an open economy.

ECON 321. Intermediate Microeconomic Theory (3)

Prerequisite: Economics 102 with approval of department. Recommended: Mathematics 120 or 124 or 150.

Behavior of consumers, firms and industries with respect to product and input markets. Price system and other models of economic decision making. Economic efficiency and welfare; property rights and externalities.

ECON 330. Comparative Economic Systems (3) [GE]

Prerequisites: Six units of economics to include Economics 102.

Current economic systems from primarily laissez-faire to state-controlled market economies with a focus on nations of Asia, Europe and Latin America; Soviet-style economic planning and transition to a market economy.

ECON 338. Economic History of the United States (3)

Prerequisite: Six units of economics to include Economics 101.

American economic development and national legislation. Studies of agriculture, industry, the labor force, and national output.

ECON 349. Economics for Teachers (3)

Prerequisites: Economics 101 and 102.

Micro and macroeconomics with emphasis on developing economic literacy and economic way of thinking.

ECON 360. International Economic Problems (3)

Prerequisites: Economics 101 and 102.

International problems, economic communities, organizations, and other selected topics.

ECON 365. Economics of Underdeveloped Areas (3)

Prerequisite: Six units of economics to include Economics 101.

The nature and causes of economic underdevelopment. Problems of and policies for the economic development of underdeveloped areas of the world.

ECON 380. Labor Economics (3)

Prerequisite: Economics 321.

Labor force and mobility, human capital, labor demand, discrimination, determination of compensation and employment, productivity, impact of labor organizations, labor disputes, and social legislation.

ECON 381. Economics of Immigration (3)

Prerequisites: Economics 101 and 321.

Examination and history of immigration policy in the United States and its intended and unintended consequences. Debates over economic assimilation, immigration policy, impact of native labor market, and perceptions about immigrants and the welfare system.

ECON 382. Economics of Work, Marriage, and Family (3)

Prerequisite: Economics 102.

Economic analysis of marriage and labor supply; family-related changes in work behavior; gender differences in occupations and earnings; welfare, work and family policies in the U.S. and internationally; macroeconomic analysis of household structure and economy.

ECON 401. Public Finance (3)

Prerequisites: Economics 101 and 102.

Principles and practices of taxation and public expenditures. Economic effects of public spending, debts and taxation. Financing social security and other services. Fiscal policy and prosperity. Relation to inflation and deflation. Special emphasis on social problems involved.

ECON 403. Health Economics (3)

Prerequisites: Economics 101 and 102; Economics 201 or Statistics 119 or 250; Mathematics 120, 124, or 150.

Apply economic principles and statistical techniques to production of health and delivery of health services. Business structures of delivery systems and incentives for providers and patients. Compare international health insurance systems, examine U.S. reforms.

ECON 406. Economics of Sports (3)

Prerequisite: Economics 102.

Economic issues in professional and college team sports. Emphasis on monopoly and monopsony behavior by sports leagues and teams, public subsidies for sports facilities, ticket pricing, and NCAA rules and regulations.

ECON 422. Business Cycles (3)

Prerequisites: Economics 101 and 102.

Fundamental factors in economic fluctuations. Examination of business cycle theories, and various policy proposals for economic stabilization. A consideration of current economic conditions and an examination of methods employed in preparing national economic forecasts.

ECON 441. Introduction to Econometrics (3)

Prerequisites: Economics 301; Mathematics 120 or 124 or 150; Recommended: Economics 320 or 321.

Econometric techniques with emphasis on single-equation models. Applied skills learned through computer assignments.

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ECON 449W. Economic Literacy (3)

Prerequisites: Twelve units in economics to include Economics 101 and 102. Satisfies Graduation Writing Assessment Requirement for students who have completed 60 units; completed Writing Placement Assessment with a score of 8 or higher (or earned a grade of C (2.0) or better in Rhetoric and Writing Studies 280, 281 [or Linguistics 281], if score on WPA was 6 or lower); and completed General Education requirements in Communication and Critical Thinking. **Proof of completion of prerequisites required:** Test scores or verification of exemption; copy of transcript.

Economic way of thinking through writing. Effective communication of economic concepts and analysis to different audiences.

ECON 455. Environmental Economics (3)

Prerequisite: Economics 102.

Relation of environmental amenities and pollution to economic behavior and institutions. Environmental problems in externalities, public goods, and common-property resources. Environmental policy from perspective of public economics: regulation, benefit-cost analysis, valuation of non-market goods.

ECON 456. Economics of Natural Resources (3)

Prerequisite: Economics 102.

Examination of efficient extraction and use of natural resources from an economic perspective. Fundamental and practical differences between renewable and nonrenewable resources. Fossil fuel extraction, mining, renewable energy, forestry, fisheries, and conservation policy.

ECON 460. Economics of Financial Crises (3)

Prerequisites: Economics 101 and 102.

Economic theories of crises and economic histories in qualitative and quantitative perspective to include recent crises in US and Europe. Empirical analysis of variety, frequency, and consequences. Policies for ending crises.

ECON 463. Economic Development Before 1900 (3)

Prerequisites: Economics 101 and 102.

Emergence of market institutions in medieval Europe; comparisons with China, India, and Islamic world. Origin and evolution of market institutions, using concepts from new institutional economics, game theory, and behavioral economics.

ECON 464. Economic Problems of Latin America (3) [GE]

Prerequisites: Six units of economics to include Economics 101.

Economic development, institutions, and problems of Latin America in the context of a global economy.

ECON 466. Economics of the Middle East (3)

Prerequisites: Economics 101 and 102.

Theories and practices of economic development in the Middle East to include economic history, colonial legacies, natural resource curse, migration, state capitalism, and economics of conflict.

ECON 485. Law and Economics (3)

Prerequisite: Economics 102.

Impact of legal rules on implicit prices for consumer and firm behavior, distribution of resources, economic efficiency. Background on laws surrounding property, contracts, torts, the judicial process, and crime, with focus on effects of laws on consumers and producers.

ECON 487. Economics of Strategy (3)

Prerequisites: Economics 321 and Mathematics 120 or 124 or 150.

Game theory and analysis of strategic decision-making. Non-cooperative games in the context of business, bargaining among agents, political decision-making, voting, etc.

ECON 490. Money and Banking (3)

Prerequisites: Economics 101, 102, and Accountancy 201.

Money's measurement and use; monetary theory and policy; returns on financial instruments; international payments and foreign exchange; evolution of banking institutions, and global competition.

ECON 495. Economics Internship (3) Cr/NC/RP

Prerequisite: Consent of instructor.

Internship with business firms, nonprofit organizations and government agencies. Work done under joint direction of activity supervisor and instructor. Project report and internship conferences required. Maximum credit six units.

ECON 496. Experimental Topics (1-3)

Prerequisite: Consent of instructor.

Selected topics in economics. May be repeated with approval of the instructor. See *Class Schedule* for specific content. Limit of nine units of any combination of 296, 496, 596 courses applicable to a bachelor's degree. Maximum credit nine units.

ECON 499. Special Study (1-3)

Prerequisite: Consent of instructor.

Individual study. May be repeated for a maximum of six units. Maximum credit six units.

UPPER DIVISION COURSES

(Also Acceptable for Advanced Degrees)

ECON 507. Mathematical Economics (3)

Prerequisite: Mathematics 124 or 150. Recommended: Economics 320 or 321.

Mathematical concepts as tools in understanding, developing, and illustrating economic theories. Applications of calculus and linear equations to constrained optimization, macro models, elasticity, general equilibrium, and input-output analysis.

ECON 561. International Trade (3)

Prerequisites: Economics 320 and 321.

Theory and policy of international trade with examples drawn from current issues. Models of determinants of trade. Free trade and protectionism. Trade and economic development. Trading blocs, the European community, GATT and U.S. trade policy.

ECON 592. International Monetary Theory and Policy (3)

Prerequisite: Economics 320 or 490.

International monetary spillovers from domestic macroeconomic policies. Foreign exchange markets and balance of payments. Fixed, flexible and managed exchange rates. Bretton Woods, international monetary fund, and world debt crisis.

ECON 596. Experimental Topics (3)

Prerequisite: Consent of instructor.

Intensive study in specific areas of economics. May be repeated with new content. See *Class Schedule* for specific content. Limit of nine units of any combination of 296, 496, 596 courses applicable to a bachelor's degree. Maximum credit of nine units of 596 applicable to a bachelor's degree. Credit for 596 and 696 applicable to a master's degree with approval of the graduate adviser.

GRADUATE COURSES

Refer to the *Graduate Bulletin*.