Economics Department

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Program Description

Economics is the science of decision making under scarcity and of how societies organize the production and distribution of goods and services. Knowledge of economics can make a significant contribution to citizenship, cultural and intellectual development, and career preparation in diverse areas such as diplomacy, banking and finance, business, law, government, or teaching. Economics is an analytical discipline that reinforces skills such as decision-making under uncertainty, making logical deductions and statistical inferences, and collecting and analyzing data. Economic analysis is the process of applying economic tools and the economic way of thinking to real-world problems. The program’s curriculum provides a thorough understanding of economic theory and applies the theory to evaluating public policies, analyzing the external economic environments of organizations, and formulating tactical and strategic decisions.

Economics majors will typically find occupations in government, business, global management and finance, agriculture, diplomacy, public policy, or the law. Students who are inclined to pursue graduate studies in economics should choose the BA degree program and are encouraged to minor in mathematics or at least complete the calculus sequence. The BA degree program is also appropriate for those interested in teaching the social sciences at the secondary school level, for those planning on entering law school or with interest in agriculture, diplomacy or public policy analysis. In the BA degree program, students are required to complete a minor or special minor approved by their faculty advisor. The BS degree program is especially well suited for students with career interests in the business world or public administration. Majors in this degree program develop depth in the complementary area. Graduates of the BS degree program are equipped with the knowledge and skills to productively contribute to employers in the private, public, and non-profit sectors.

In addition to the B.A. and B.S. degrees in Economics, the Economics Department offers an Economics Concentration within the B.S. in Business Administration major, an Economics Minor, and various courses fulfilling university-wide requirements (General Education Area D2; Theme 3; Gender, Race, and Ethnicity).

LEARNING GOALS AND OBJECTIVES

The learning goals and objectives for the B.A. and B.S. in Economics are as follows:

Goal 1: Communication Skills

Objective 1a. Writing: Students will produce concisely written documents that: (1) focus on the intended audience, (2) are logically organized with cogently developed ideas, (3) effectively employ vocabulary and are free of spelling and grammatical errors and (4) have a high quality appearance.

Objective 1b. Oral presentation: Students will deliver oral presentations that: (1) focus on the intended audience, (2) are well organized and compelling, (3) are effectively delivered to maintain interest without distracting mannerisms, and (4) effectively employ presentation software to support the presentation.

Goal 2: Quantitative Skills

Objective 2a. Design: Students will select graphical, quantitative, and statistical methods and models appropriate to frame questions and model economic behaviors.
**Objective 2b. Calculation and Tabulation:** Students will: (1) calculate accurately and (2) effectively summarize and present statistical data.

**Objective 2c. Interpretation:** Students will correctly interpret the results from graphical, quantitative, and statistical models.

**Goal 3: Economic Literacy**

**Objective 3a. Knowledge of core concepts and theories:** Students will demonstrate knowledge of: (1) microeconomics, (2) macroeconomics, (3) international economics, (4) econometrics, and (5) the intellectual and historical contexts of major economists and paradigms.

**Objective 3b. Information competency:** Students will: (1) locate information and data pertinent to an economic question, (2) critically evaluate credibility of sources and reliability of information, and (3) synthesize information from diverse sources and perspectives and assess its adequacy for decision support.

**Goal 4: Integrative Problem Solving and Decision Making**

**Objective 4a. External economic environments:** Students will analyze the following real-world economic environments of organizations: (1) the national macro-economy, (2) specific product and factor markets, and (3) the global economy.

**Objective 4b. Decision making:** Students will: (1) state a problem, (2) identify alternatives, (3) identify criteria for assessing alternatives, (4) weigh alternatives using the established criteria, and (5) choose among alternatives and interpret/evaluate the results.

**Objective 4c. Normative critical reasoning:** Students will: (1) identify and summarize an ethical or normative issue, (2) identify stakeholders and their divergent interests and perspectives, (3) locate information and analyses in support of alternative positions, (4) critically assess the assumptions, evidence, and arguments presented in support of alternative positions, and (5) reach an informed conclusion in light of available information and reflection on one’s own perspective.

**Requirements for the Bachelor of Arts and Bachelor of Science Degrees with a Major in Economics**

The Bachelor of Arts Degree with a major in Economics requires a minimum of 180 units which includes courses for the major and minor and courses for the other university-wide graduation requirements: General Education, American Institutions, First-Year Experience, Gender-Race-Ethnicity, and Upper Division Writing, and Foreign Language (see pages 56-63).

**Major in Economics (BA)--General Track**

Required lower and upper division courses for the major must be completed with a grade of C- or better.

**A. Lower Division Requirements**
1. ECON 201 and 202
2. MATH 140
3. One of the following: Math 101, 190, or 191.

**B. Upper Division Requirements**
1. ECON 301 Microeconomic Theory and Applications
2. ECON 302 Macroeconomic Theory and Policy
3. ECON 306 History of Economic Ideas: Adam Smith to Present
4. ECON 410 International Economic Development or ECON 440 (International Economics)
5. ECON 420 Introduction to Econometrics
6. ECON 490 Senior Seminar
7. Three (3) economics electives

**C. Minor or Special Minor**
Note: The minor or special minor appears on both the student’s transcript and diploma together with the Bachelor of Arts in Economics. It is indicative of another area of expertise other than economics.

Students wanting to pursue a focused study in global economics, pre-law, or history/social studies teaching are encouraged to speak with their advisor about the following tracks:

**Major in Economics (BA)--Global Economics Track**
Required lower and upper division courses for the major must be completed with a grade of C- or better.

A. **Lower Division Requirements**
   - Math 140 and one of the following: Math 101, 190, or 191
   - ECON 201 and 202

B. **Upper Division Requirements**
   - ECON 301, 302, 410, 420, 440 and 490
   - Three (3) economics electives from the following list: ECON 305, 306, 311, 341, 343, 370, 430, and 441.

C. A special minor that includes at least one university-level course in a foreign language (103 or higher) and three upper division courses with explicit global or international focus approved by an ECON advisor and the AVP Academic Programs.

**Major in Economics (BA)--Pre-Law Concentration**
In our nation’s most prestigious law schools, the study of law is being combined with the economic analysis of the law. Economics has become a popular undergraduate major for those students interested in going to law school. The BA in Economics, Pre-Law concentration, combines the strengths of Economics with those of related disciplines to provide students with exceptional career preparation.

Required lower and upper division courses for the major must be completed with a grade of C- or better.

A. **Lower Division Requirements**
   - MATH 140 and one of the following: Math 101, 190, or 191
   - ECON 201 and 202

B. **Upper Division Requirements**
   - ECON 301, 302, 306, 404, 420, and 490
   - Three (3) economics electives

C. **Special Minor:** Four courses selected from the following. Two courses must be taken from Philosophy and two from Political Science.
   - PHIL 411 Marx, Marxism and Post-Marxism
   - PHIL 432 Theory of Ethics
   - PHIL 333 Political Philosophy
   - PHIL 435 Philosophy of Law
   - PHIL 450 Symbolic Logic
   - PHIL 498 Special Topics
   - PLSI 314 Judicial Power and the Constitution
   - PLSI 315 Civil Liberties
   - PLSI 333 Political Philosophy and Thought
   - PLSI 370 Legal Reasoning

**The Social Science Teacher Preparation Program within the BA in Economics**

The California Commission on Teacher Credentialing (CCTC) has authorized CSUB to offer an approved single subject teacher preparation program in Social Science. The generic Social Science Teacher Preparation Program is listed under Teacher Preparation/Subject Matter Programs. The following course pattern satisfies all requirements for the Social Science Teacher Preparation Program within the BA in
Economics. **Students interested in this option are advised to see an academic advisor, as upcoming reauthorization of the program by the CCTC may result in changes in requirements.**

**Basic Core Requirements** (11 courses, 55 quarter units)

1. HIST 231 U.S. History to 1865
2. HIST 232 U.S. History since 1865
3. Three of the following, one of which must be world history (3 courses)
   - HIST 202 Western Civ I or HIST 210 World History I
   - HIST 204 Western Civ II or HIST 211 World History II
   - HIST 206 Western Civ III or HIST 212 World History III
4. HIST 370 Early California History
5. One of the following:
   - HIST 371 Modern California
   - PLSI 319 California Politics and Public Policy
6. ECON 201 Microeconomics
7. ECON 202 Macroeconomics
8. ECON 395 Economic Geography
9. INST 390 Educator as Social Scientist

**Breadth and Depth Perspectives** (7 courses, 35 quarter units)

10. U.S. History; one of the following
    - HIST 351, 352, 356, 357, 358, or 359
11. Africa/Asia; one of the following
    - HIST 423, 424, 425, 426, or 481
12. Europe/Latin America; one of the following
13. International Relations/Global Perspectives: ECON 311
14. U.S. Constitution/Government; one of the following
    - PLSI 314, 315, 316, 317, or 335
15. International Economics: ECON 440
16. Comparative Religious/Ethical Systems; one of the following
    - RS 110, 111, 316, 320, or 323

**Additional Requirements for the BA in Economics (Teacher Preparation Track)**
(8 courses totaling 40 quarter units plus a minor)
1. Lower Division Requirements
   - MATH 140 and one of the following: Math 101, 190, or 191
2. Upper Division Requirements
   - ECON 301, 302, 306, 420 and 490
3. One (1) Economics elective
4. Minor or Special Minor

**Notes:**
1. Requirements for the History Minor are satisfied through the Social Science Preparation Program.
2. Five (5) of the non-major university-wide requirements can be satisfied through the Social Science Preparation program (two American Institutions courses, GE area C3, GE area C5, Theme 2).

**Major in Economics (BS)**

**Lower-Division Requirements** (27-29 units)
1. MIS 200A Software Productivity Tools or equivalent
2. ECON 201 and 202 Essentials of Micro- and Macro-economics
3. MATH 140 Elementary Statistics
4. MATH 101 Finite Math or Math 190 or Math 191 Precalculus I: College Algebra
Upper-Division Requirements (45 units)
1. ECON 301 Microeconomic Theory and Applications
2. ECON 302 Macroeconomic Theory and Policy
3. ECON 306 History of Economic Ideas: Adam Smith to Present
4. ECON 420 Econometrics
5. ECON 490 Senior Seminar in Economics
6. Electives: Four (4) other upper division Economics courses

Area of Emphasis (25 units)
The area of emphasis requirement is five courses approved by the advisor as forming a coherent area of breadth or depth. Students may complete one of the following emphases or an advisor-approved individualized program of study.

Accounting and Bank Lending
ACCT 221, 300, 301, 303 and FIN 300. For career preparation in bank lending, economics electives should include ECON 404, 453, and 430 and/or 460; to prepare for analyst positions in the non-banking sectors, ECON 451 and 453 are recommended as economics electives.

Business Administration
Five (5) approved courses in Business Administration providing depth in an area or breadth in several areas. The following courses can be used to meet foundation requirements for CSUB’s MBA program: BA 370, MGMT 300, MGMT 301, MKTG 300, and FIN 300.

Financial Investment Services
ACCT 221, FIN 300, and three (3) electives selected from MKTG 304 and the upper division Finance curriculum. For career preparation as a financial analyst, ACCT 221 and ACCT 303 are recommended for the emphasis area. ECON/FIN 460 should be completed as an economics elective or as part of the emphasis area. ECON 430 recommended as an economics elective.

Public Administration
PPA 325, 478, and three electives from PPA. PPA 479 recommended for urban planning. Courses in the Extended University Division’s Chief Business Officer (CBO) program recommended as career preparation for school district business officers. Upper division economics electives should include ECON 320. ECON/PPA 470 should be completed as an economics elective or as part of the emphasis area.

The Economics Concentration within the B.S. in Business Administration
Business Administration majors can fulfill the concentration requirement by specializing in Economics. The requirements for the Economics concentration within Business Administration are as follows:

1. One of the following:
   - ECON 301 Microeconomic Theory and Applications
   - ECON 302 Macroeconomic Theory and Policy
2. Three of the following:
   - ECON 301 or 302
   - ECON 404 Law and Economics
   - ECON 420 Econometrics
   - ECON 430 Money and Banking
   - ECON 440 International Economics
   - ECON 451 Managerial Economics
   - ECON 453 Project Evaluation
   - ECON 460 Financial Institutions Management
   - ECON 465 Industrial Organization
   - ECON 480 Human Resource Economics
The Minor in Economics

Requirements for Minor in Economics are:
1. ECON 201 Essentials of Microeconomics
2. ECON 202 Essentials of Macroeconomics
3. Two upper-division Economics courses. (Note: three upper division electives are required if both ECON 201 and 202 are required for the student’s major.)

COURSE DESCRIPTIONS

Lower Division

ECON 100 Economic Way of Thinking (5)
Introduction to economic analysis. Topics covered include microeconomic theory and application and macroeconomic theory and policy. Also, an in-depth study of into selected topics and current events.

ECON 105 Personal Economics (5)
This course covers personal economic and financial planning problems that individuals and families encounter during the course of their lives. Topics include saving and investment decisions, insurance needs, income taxation, job opportunity analysis, current economic conditions, portfolio and credit management, and retirement planning. This activity-oriented course will incorporate simulations of the Stock Market.

ECON 201 Essentials of Microeconomics (5)
Value and distribution theory, including the theory of household behavior, the theory of the firm, and the pricing of factors of production. Emphasis on tools of economic thinking and the historical development of these tools. Selected operational content also provided. Lecture/discussion.

ECON 202 Essentials of Macroeconomics (5)
Theories of income, employment, and price level. Both the income-expenditure approach and the monetarist approach are studied. Emphasis on tools of economic thinking and the historical development of these tools. Selected operational content also provided. Lecture/discussion.

ECON 277 Contemporary Economic Issues (5)
An overview of the essentials of business economics. Topics include the economic way of thinking, market mechanism, money and banking, stabilization policy, market structure, economic role of government, human resource and operations management, human capital investment, international trade, marketing and business development, and social responsibility of business enterprises.

ECON 289 Experiential Prior Learning (variable units)
Evaluation and assessment of learning, which has occurred as a result of prior off-campus experience relevant to the curriculum of the department. Requires complementary academic study and/or documentation. Available by petition only, on a credit, no-credit basis. Not open to postgraduate students. Interested students should contact the department office.

Upper Division

ECON 301 Microeconomic Theory and Applications (5)
Theory construction and application in the areas of consumer choice and demand, production and cost, competitive markets, general equilibrium, and welfare economics. Prerequisite: ECON 201.

ECON 302 Macroeconomic Theory and Policy (5)
Short run fluctuations and long run fundamentals for macroeconomic variables such as GDP and its components, the unemployment rate, the price level and inflation rate, interest rates and the yield curve, exchange rates and the trade balance, the government debt-to-GDP ratio, potential output, and real
growth. Case studies, data collection and analysis, and monitoring of economic indicators and Federal Open Market Committee policies are integrated. Prerequisite: ECON 202.

**ECON 305 Economic Development of the West: Plato to Adam Smith (5)**
This course examines the pre-modern economy of the West from the ancient Greeks up to the dawn of the industrial revolution in the eighteenth century. It attempts to highlight in what ways the economy of the ancient world was not modern and to explain any differences in the context of the cultures within which they were embedded. The overriding concern of the course is to attempt to explain the economic development of the West. The course also examines the ideas that people used before Smith to understand their economic world. Finally, it explores how these ideas dramatically changed during the course of the scientific revolution and how that transformation in thought helped to give rise to the political economy of Adam Smith. Prerequisites: at least junior standing and one economics course or permission of instructor.

**ECON 306 History of Economic Ideas: Adam Smith to Present (5)**
This course introduces students to the major theories that have formed the growth of modern economics as well as theorists who contributed to their development. After a brief look at the intellectual background to the eighteenth century, including mercantilism and the Physiocratic School, the rise and expansion of classical political economy from Smith to Ricardo and J.S. Mill are studied. Nineteenth century critics of orthodox political economy are examined. The significance of the nineteenth century marginalist revolution and the twentieth century developments in neoclassical theory are studied together with the Keynesian revolution and postwar developments in policy and theory. In addition, the course will focus on some of the methodological theories that have guided economists in their efforts to create a science of economics.

**ECON 310 Economics of Health and Health Care (5)**
Demand and supply of health care services and methods of financing health care expenditures. Topics include health care production, asymmetric information, demographic trends, medical insurance industry, government insurance programs, medical risk and liability, health care reform, and comparative health care systems. Prerequisite: one economics course or permission of instructor.

**ECON 311 The Pacific Rim Economies (5)**
Economic developments in China, Japan, and the newly industrialized economies of East Asia. Trade in the Pacific Rim. Places economic development in its cultural/geographic context and critically examines economic institutions and policies. Recommended: one economics course or permission of instructor.

**ECON 320 Introduction to Geographic Information Systems in the Social Sciences (5)**
An introduction to the basic principles of Geographic Information Systems (GIS) with applications to a variety of problems using established data sources. The course includes fundamental principles of cartographic design and communication. Students are expected to become proficient users of ArcView GIS Software package. Lab sessions cover step-by-step GIS practice in the real world, including working with public domain data, importing data into GIS, creating a GIS database, performing spatial analysis with tools, building GIS models, and presenting results.

**ECON 341 Globalization and Development (5)**
This course uses a case study approach to the study of globalization and growth. It uses an applied empirical approach to learning about macroeconomic management, economic development, international trade, and the cross border flows of goods and services and capital. Economic activities such as trade, investments in equities and debt, tourism, development of intellectual property, and financial transactions, have become internationalized. This is the current context in which businesses must operate. Students learn how to conduct an assessment of international environments and political-economic strategies deployed in major world regions. They perform a “country analysis”, which allows them to draw conclusions about market growth, labor costs, inflation and exchange rate stability, direct investment opportunities, etc. Prerequisite: ECON 202 (or equivalent) or permission of instructor.

**ECON 343 Economics of Immigration Policy (5)**
The economic effects if various immigration policies, their impact on labor markets, as well as their relationship to national security are explored. The focus is on understanding and analyzing immigration policy, as well as their consequences on society and the economy. This course will also consider immigration policy development. Prerequisite: ECON 201 or 202 (or equivalent) or permission of instructor.

ECON 370 Environmental Economics (5)
Topics to include: static and dynamic efficiency and market failure; economic analysis of air, water, solid waste, and toxic policies; energy and the environment; benefit-cost policy analysis and case studies; tort and insurance issues; incentive-based regulations; monitoring and enforcement issues; risk assessment, management, and communication; global issues and agreements. Prerequisite: one economics course or permission of instructor.

ECON 371 Economics of Agriculture and Natural Resources (5)
Economic policy analysis of agriculture and natural resources with emphasis on California agriculture. Topics include the structure and organization of U.S.’s agriculture and food system, specifically the operation, financing, linkages, and functions of its components; the economic aspects of a wide range of environmental issues including air and water pollution, optimal forest and fisheries management; recycling; cost-benefit policy analysis case studies; and international issues. Prerequisite: ECON 201 (or equivalent) or permission of instructor.

ECON 372 Agricultural Trade Policy (5)
An introduction to practical considerations of agricultural trade and trade policy analysis. Emphasis is placed on concepts of agricultural trade, analysis of trade policies of major trading partners and the export/import marketing of agricultural products. Also the interdependencies between the world’s food, populations and equity/poverty problems and possible solutions are explored. Prerequisite: ECON 201 (or equivalent) or permission of instructor.

ECON 373 Agricultural Finance (5)
The objective of this course is to provide students with the tools necessary to evaluate and manage risk in the agricultural industry. This course provides an introduction to the economic theory, organization, and operating principles of agricultural commodity futures markets in the U.S. Emphasis is placed on speculating, hedging, and investing in agricultural commodity futures contracts from the standpoint of the agribusiness entrepreneur. Capital theory is also visited. Prerequisites: ECON 201 (or equivalent); Math 140; Math 101, 190 or 191 or permission of instructor.

ECON 377 Current Economic Issues (1-5)
Study of a current economic and social issue such as education, health care, taxation, social security, poverty and income distribution, public debt, international trade, or national security. May be repeated for different course content. Prerequisite: ECON 201 or 202 or permission of instructor.

ECON 380 Gender and Diversity in Workplace (5)
Development of topics in labor economics from the perspectives of gender studies. Considerations of both national trends and international comparisons. Topics include household production and time allocation, labor force participation, human capital accumulation, regional mobility, and occupational choices, wage differentials, discrimination, and poverty. Prerequisite: any introductory course in social and behavioral sciences or permission of instructor.

ECON 381 Race, Gender and Prosperity in America (5)
Investigation of reasons for economic success and failures of minority members within our economy. This course will start with the main economic tools necessary for policy analysis, move on to economic status, causes and cures, and finish with discrimination. Social policies will be examined including but not restricted to equal employment opportunity and equality of income for Women, Hispanics, and African Americans. Prerequisite: any introductory course in social and behavioral sciences or permission of instructor.
ECON 395 Economic Geography (5)
This course involves an examination of the spatial organization of economic activities. Topics include population dynamics and migration, natural resources and location, transportation and communication networks, agriculture and rural land use, urban land use, city location and urban hierarchies, industrial location, world economic regions, and international trade and investment patterns. Course also includes an introduction to Geographic Information Systems (GIS). (This course is also listed as GEOG 395 under “Interdisciplinary Courses.”).

ECON 404 Law and Economics (5)
Law and economics involves a historical survey of the application of economic principles to the law and the contemporary use of economic principles to analyze the structure and effects of property, contract and tort law. Students engage in legal research using Lexis/Nexis in order to analyze the economic content of specific cases. The implications of the economic analysis of law for important policy issues are explained. Prerequisite: one economics course or permission of instructor.

ECON 410 International Economic Development (5)
Analysis of major economic impediments to Third World development. Topics include: the structural changes accompanying development, theories of development, impediments to development, role of the international sector, and government policy. Prerequisite: one economics course, or permission of instructor.

ECON 420 Econometrics (5)
A study of the essentials of econometric theory with computer-based applications. This course will enable students to construct empirical models, collect data, apply appropriate estimation techniques, and interpret the estimation results for decision making. Prerequisite: MATH 140.

ECON 430 Money and Banking (5)
A study of the banking system, the demand and supply of money, monetary policy, the quantity theory of money, the interest rate, the theory of portfolio choice, and international finance. Prerequisite: ECON 202 (or equivalent) or permission of instructor.

ECON 440 International Economics (5)
Theory and policy analysis pertaining to world payments systems, open economy macro-economics, international trade, multinational enterprises and direct foreign investment, and the international migration of labor. Prerequisite: one economics course or permission of instructor.

ECON 441 Financial Economics (5)
This course develops the main arguments in financial theory from an explicitly economic perspective. Financial economics involves the examination of the roles of time, uncertainty and information in economic transactions. This course analyzes financial institutions from a perspective of information theory. We consider the theories of decision-making under uncertainty and asymmetric information. Prerequisite: ECON 201 (or equivalent) or permission of instructor.

ECON 451 Managerial Economics (5)
Application of empirical methods to managerial decisions. Topics include estimation of demand, sales forecasts, business conditions analysis, estimation of production and cost functions, pricing and advertising, and capital budgeting. Case studies and software applications. Prerequisite: ECON 201, MATH 101 and 140 or equivalents, or permission of instructor.

ECON 453 Project Evaluation (5)
An overview of the economic methods used to evaluate projects and real assets. Topics include financial math; investment criteria (present worth, annual equivalent worth, rate of return analysis); evaluating mutually exclusive alternatives; relative price movements and inflation; risk and uncertainty; cost minimization techniques such as equipment replacement analysis and cost-effectiveness analysis; after-tax analysis; project financing and capital constraints; and benefit-cost economics. Applications to
engineering, energy, agriculture, and real estate. Prerequisite: completion of CSU General Education B4 (math).

ECON 460 Financial Institutions Management (5)
An introduction to the operation, structure, and regulatory environment of the U.S. financial system. Special attention given to the theories of interest rate determination, financial risk management, and asset/liability management in depository and non-depository institutions. The course also investigates e-Business and changes in commercial banking, non-bank financial institutions and financial markets. Computer models and cases are used to show real-world applications. Carries credit in Economics or Finance. Prerequisite: FIN 300 or ECON 302.

ECON 465 Industrial Organization (5)
Theoretical and empirical aspects of oligopoly theory. Price and non-price competition. The structure, conduct, and performance of selected American industries. Considerations of both antitrust policy and managerial perspectives. Prerequisite: ECON 201 or permission of instructor.

ECON 470 Economics of the Public Sector (5)
Economic theories relating to market efficiency and failure, public expenditure, taxation, and political and bureaucratic behavior. Examination of programs and policies in areas such as health care, technology, social insurance, welfare and income redistribution, child care and education, and transportation. Examination of the tax system, fiscal federalism, and state and local government revenue and expenditure patterns. Online information resources are used to locate and assess policy analyses and analyze expenditures and revenues for all levels of government. Carries credit in Applied Economics or Public Administration. Prerequisite: ECON 201 or 202.

ECON 477 Selected Topics in Economics (1-5)
An in-depth study of an area of economics not included in current course offerings. May be repeated for different course content. Prerequisites as announced.

ECON 478 Budgeting in Public Organizations (5)
This course will introduce the student to the major concepts of public budgeting and finance in the United States. Budgeting at all levels of government will be covered. Key topics of study include: expenditure estimation, revenue forecasting, capital budgeting, budget reform and financial management. The role of the budget in the policy process will also be emphasized. Carries credit in Economics or Public Administration.

ECON 480 Human Resource Economics (5)
A study of labor force participation, labor demand, education and training, wage differentials, regional and occupational mobility, labor unions, and discrimination, poverty, and income distribution. Prerequisite: ECON 201 or permission of instructor.

ECON 490 Senior Seminar in Economics (5)
Student proposes and conducts an independent research project under the supervision of a faculty member. Student completes activities for use by faculty in assessing learning outcomes for the major. Prerequisite: ECON 301, 302, 420 and senior standing.

ECON 496 Internship in Economics (1-5)
Internships may be arranged by the department with various agencies, business, or industries. The assignments and coordination of work projects with conferences and readings, as well as course credits, evaluation, and grading, and the responsibility of the faculty liaison (or course instructor) working with the field supervisor. Offered on a credit, no-credit basis only. Department will determine credits and application of credit.

ECON 497 Cooperative Education (1-5)
The Cooperative Education program offers a sponsored learning experience in a work setting, integrated with a field analysis seminar. The field experience is contracted by the Cooperative Education office on
an individual basis, subject to approval by the department. The field experience, including the seminar
and reading assignments, is supervised by the cooperative education coordinator and the faculty liaison
(or course instructor), working with the field supervisor. Students are expected to enroll in the course for
at least two quarters. The determination of course credits, evaluation and grading are the responsibility of
the departmental faculty. Offered on a credit, no-credit basis only. Department will determine application
of credit.

ECON 499 Individual Study (1-5)
Consent of department for the offering of independent studies.

GRADUATE COURSES

Graduate courses are listed in the "Graduate Programs" section of this catalog.