EC–Economics

201T Introduction to Microeconomics
Fall, Spring. 3(3-2) Not open to students with credit in EC 201 or EC 251H.

202 Introduction to Macroeconomics
Fall, Spring. Summer. 3(3-0) Not open to students with credit in EC 252H.

210 Economics Principles Using Calculus
Fall. 3(3-0) P:M (MTH 133 or MTH 153H or MTH 126) Not open to students with credit in EC 201 or EC 202.
A combined microeconomics and macroeconomics course. Emphasis on topics of interest in engineering and management, such as discounting, cost-benefit analysis, innovation, externalities, and the role of government regulation.

251H Microeconomics and Public Policy
Fall, Spring. 4(4-0) Not open to students with credit in EC 301.
Theories of consumer behavior, production and cost. Output and price determination in competition and monopolies. Welfare economics, general equilibrium, externalities, and public goods.

252H Macroeconomics and Public Policy
Fall. Spring. 3(3-0) P:EC 201 and EC 301 or (EC 251H) Not open to students with credit in EC 302.
Theory of national income, unemployment, inflation and economic growth and its application to economic analysis and policy.

293 Cooperative Education for Business Students
Fall, Spring. 1(1-0) A student may earn a maximum of 3 credits in all enrollments for this course. Interdepartmental with Marketing and Supply Chain Management. Accounting; Finance; Management; Hospitality Business. Administered by Department of Marketing and Supply Chain Management. R: By permission of the Department only. Integration of pre-professional educational employment experiences in industry and government with knowledge and processes taught in the student's academic program. Educational employment asignment approved by the Department of Marketing and Supply Chain Management.

301 Intermediate Microeconomics
Fall, Spring. Summer. 3(3-0) P:M (EC 201) P:NM: (EC 202) Not open to students with credit in EC 251H.
Theories of consumer choice, production, cost, perfect competition, and monopoly. Welfare economics, general equilibrium, externalities and public goods.

302 Intermediate Macroeconomics
Fall, Spring. Summer. 3(3-0) P:M (EC 201 and EC 202) Not open to students with credit in EC 252H.

303 Economic Thought I
Fall. 3(3-0) P:M (EC 201 or EC 251H) and (EC 202 or EC 252H) SA: EC 403 Forerunners of classical economics. Classical economic thought from Adam Smith to J.S. Mill. The socialist reaction.

304 Economic Thought II
Spring. 3(3-0) P:M (EC 201 or EC 251H) and (EC 202 or EC 252H) SA: EC 404 Decline of classical economics and rise of marginalist value and distribution theory. Marxism and institutionalism.

306 Comparative Economic Systems
Fall. 3(3-0) P:M (EC 201 or EC 251H) and (EC 202 or EC 252H) Characteristics and functions of economic systems. Alternative patterns of economic control, planning, and market structure. Theories, philosophies, and experiences associated with capitalism, socialism, and mixed economies.

310 Economics of Developing Countries
Spring. 3(3-0) P:M (EC 201 or EC 251H) Overview of economic patterns and policy issues of developing countries such as modern economic growth and structural transformation, state controls versus markets, poverty and human welfare, investments in human resources, and trade and industrialization.

320 Analysis of Economic Data
Fall. Spring. 3(3-0) P:M (EC 201 or EC 251H) and (EC 202 or EC 252H) R: Not open to students in the Department of Accounting and Information Systems or Department of Finance or School of Hospitality Business or Department of Management or Department of Marketing and Supply Chain Management.

330 Money, Banking, and Financial Markets
Fall, Spring, Summer. 3(3-0) P:M (EC 201 or EC 251H) and (EC 202 or EC 252H) Money markets and financial intermediation. Money, the Federal Reserve System, and monetary policy. Regulation of money markets.

335 Taxes, Government Spending and Public Policy
Fall, Spring, Summer. 3(3-0) Interdepartmental with Public Resource Management. P:M (EC 201 or EC 251H) Not open to students with credit in EC 435 or EC 436. Economics of the public sector. Public goods, externalities, design and incidence of the tax system. Equity and efficiency effects of government programs.

340 Survey of International Economics
Fall, Spring, Summer. 3(3-0) P:M (EC 201 or EC 251H) and (EC 202 or EC 252H) Not open to students with credit in EC 440 or EC 441. Comparative advantage. Costs and benefits of trade. International economic policies. Balance of payments. Foreign exchange markets. The international monetary system. Contemporary trade and international currency issues.

360 Private Enterprise and Public Policy
Fall, Spring. Summer. 3(3-0) P:M (EC 201 or EC 251H) Effects of antitrust, economic regulation, and other public policies on competition, monopoly, and other market problems in the United States economy.

380 Labor Relations and Labor Market Policy
Fall, Spring. Summer. 3(3-0) P:M (EC 201 or EC 251H) Development, functions, legal framework, and economic effects of unions and collective bargaining. Institutions and economic impacts of government programs. Minimum wages, workers' compensation, unemployment insurance, and antidiscrimination policies.

385 International Labor Market Policy and Labor Relations
Fall. 3(3-0) P:M (EC 201 or EC 251H) Not open to students with credit in EC 380. Comparative treatment of labor policy and labor relations in the United States, Western Europe, Japan, Canada, and Australia. Analysis of how different policies affect wages, living standards, and economic efficiency. Labor markets and integration of national economies.

401 Advanced Microeconomics
Fall, Spring. 3(3-0) P:M (EC 301 or EC 251H) Economics of uncertainty and incomplete information. Game theory and theories of oligopoly. Trans- action costs. Advanced topics in welfare economics, general equilibrium, externalities, and public goods.

402 Advanced Macroeconomics
Fall, Spring. 3(3-0) P:M (EC 251H or EC 301) and (EC 252H or EC 302) Consumption, investment, and monetary theories. The role of expectations. Theories of economic growth and cycles. Stabilization policies.

405 The Development of the American Economy
Spring. 3(3-0) P:M (EC 201 or EC 251H) and (EC 202 or EC 252H) Causes and consequences of American economic development. Economic analysis of topics such as British trade policies, slavery, industrialization, immigration, the Great Depression, wars and income distribution.

406 Economic Analysis of the Soviet Union and Transition Economy
Spring of even years. 3(3-0) P:M (EC 201 or EC 251H) and (EC 202 or EC 252H) History and analysis of Soviet planning, banking, and pricing systems. Analysis of labor markets and capital allocation under planning and transition.

410 Issues in the Economics of Developing Countries
Fall. 3(3-0) P:M (EC 201 or EC 251H) and (EC 202 or EC 252H) Growth and transformation of low-income countries. Discontinuities, dualism. Capital, total factor productivity. Agriculture, natural resources. Population, health, nutrition. Labor, education. Entrepreneurship, technological change. Urbanization.

411 Issues in Economic Development
Spring. 3(3-0) P:M (EC 201 or EC 251H) and (EC 202 or EC 252H) Mobilizing and allocating capital for raising productivity. Monetary policy, financial intermediaries, Investment criteria and project analysis. Taxes and public expenditures. Trade policy, foreign capital, international disequilibrium, and structural adjustment.
Economics–EC

412 Economic Analysis of Latin America
Fall of even years. 3(3-0) P:NM: (EC 201 or EC 251H) and (EC 202 and EC 252H)

413 Economic Analysis of Asia
Spring of odd years. 3(3-0) P:M: (EC 201 or EC 251H) and (EC 202 or EC 252H)
Development of agriculture, industry, labor markets, and trade in some of the following: India and South Asia, China, the Pacific Rim countries, and Japan. Productivity, income distribution, finance, and planning.

414 Economic Analysis of Sub-Saharan Africa
Fall of odd years. 3(3-0) P:EC 201 or EC 251H and EC 202 or EC 252H

420 Introduction to Econometric Methods
Fall, Spring. 3(3-0) P:EC 201 or EC 210 or EC 251H and (EC 202 or EC 252H) and (STT 315 or STT 421 or STT 430 or STT 441)

425 Law and Economics
Fall. 3(3-0) Interdepartmental with Finance. P:EC 201 or EC 251H
Application of economic analysis to the law. Property rights, takings, the Coase Theorem. The economics of regulation, crime and punishments, liability law, and public choice.

435 Public Expenditures
Fall. 3(3-0) P:EC 251H or EC 301

436 Public Revenues
Spring. 3(3-0) P:EC 251H or EC 301
Principles and theory of efficiency and the incidence of taxation. Income and sales taxes and other major revenue sources.

437 State and Local Public Finance
Fall of even years. 3(3-0) P:EC 201 or EC 251H
Theoretical and policy analysis of state and local government fiscal behavior. Revenues, expenditures, borrowing, intergovernmental fiscal relations. Applications to such areas as education, transportation, and economic development. Intergovernmental comparisons.

440 International Trade
Fall. 3(3-0) P:EC 251H or EC 301
Neoclassical and modern theories regarding trade patterns and commercial policies. Applications of theory to United States policy. Contemporary issues involving international trade of goods, services, and productive factors.

441 International Finance
Spring. 3(3-0) P:EC 252H or EC 302
Neoclassical and modern theories pertaining to balance of payments and exchange rate determination. Macroeconomic performance under alternative exchange rate regimes. Contemporary issues involving international monetary arrangements.

453 Women and Men: Issues and Policy Analysis
Spring. 3(3-0) Interdepartmental with Public Resource Management; Women’s Studies. Administered by Department of Agricultural Economics. P:NM: (EC 201 or EC 202 or PRM 201 or concurrently) R: Not open to freshmen or sophomores.

460 American Industry: Structure and Behavior
Fall. Spring. 3(3-0) P:EC 251H or EC 301
Market structure and performance. Empirical analysis of market definition, concentration, product differentiation, vertical integration, innovativeness, collusion, and entry deterrence.

461 Regional Economics
Fall. 3(3-0) Interdepartmental with Resource Development; Public Resource Management. Administered by Department of Resource Development. P:EC 201 P:NM: (RD 200) R: Open only to juniors or seniors.
Location decisions of firms and households. Relevant government policies. Applications of regional analysis to industrial, regional, and community development.

480 Analysis of Labor Markets
Fall, Spring. 3(3-0) P:EC 251H or EC 301 Labor supply and demand. Human capital, search, migration, and labor turnover. Analysis of unemployment and wage growth. Structure of wages, including economics of discrimination.

489 Senior Seminar for Policy and Applied Economics Majors (W)
Fall. Spring. 3(3-0) P:EC 251H or EC 301 and (EC 320) and completion of Tier I writing requirement. R: Open only to seniors in the Policy and Applied Economics major. Capstone course for policy and applied economics majors. Reading and discussion concerning selected economics topics. Preparation and presentation of student research project.

490 Independent Study
Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. R: Approval of department. Research and reading course for students interested in doing independent work in economics under faculty supervision.

495 Economics of Poverty and Income Distribution
Fall. 3(3-0) P:EC 201 or EC 251H Theory of the distribution of income and wealth. Concepts and measurement of welfare. Definitions of poverty. Effects of public and private programs on the poor.

496 Interpreting Economic News and Research
Spring of even years. 3(3-0) P:EC 201 or EC 251H and (EC 202 or EC 252H) Reporting and interpreting economic news and research. Sources of data and research information. Critical examination of written and broadcast reports through application of economic principles. Case studies.

497 Economics of Education
Spring of odd years. 3(3-0) P:NM: (EC 201 or EC 251H) Relationship between education and the economy. Production of education. Analysis of education as an investment. Supply and demand for teacher services. Financing education.

498 Economics of Health Care
Fall of odd years. 3(3-0) P:NM: (EC 201 or EC 251H) Economic factors in determining health care costs, utilization, quality, and efficiency. Demand and insurance. Comparative health care systems. Public policy issues.

499 Senior Seminar for Economics Majors (W)
Fall, Spring. 3(3-0) P:EC 251H or EC 301 and (EC 252H or EC 302) and (EC 420 or concurrently) and completion of Tier I writing requirement. R: Open only to seniors in Economics. Capstone course for economics majors. Reading and discussion concerning selected economics topics. Preparation and presentation of student research project.

801 Mathematical Applications in Economics
Fall. 3(3-0) P:NM: (MTH 120 or MTH 124 or MTH 132) R: Open only to graduate students in Economics, Agricultural Economics, and Business Administration. Applications of mathematical tools in economic analysis. Matrix algebra, derivatives, partial derivatives, optimization, integration and linear differential equations.

803 Managerial Economics
Fall, Spring. 3(3-0) R: Open only to MBA students. Not open to students with credit in EC 809 or EC 813A. Determinants of national income, employment, and inflation. National income accounting. Business fluctuations, fiscal and monetary policy, international trade, and capital flows.

805 Microeconomic Analysis
Fall. 3(3-0) P:NM: (EC 301 and EC 801) or (MTH 126 or concurrently) R: Open only to graduate students in Economics, Agricultural Economics, and Business Administration. Not open to students with credit in EC 812A. Microeconomic theory with calculus. Production, costs, demand, markets, general equilibrium and welfare theory.
Economics–EC

881 Labor Economics II
Spring. 3(3-0) P:NM: (EC 805 and EC 809)
or (EC 812A and EC 813A)


905 Graduate Reading in Economics
Fall, Spring. Summer. 1 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.

Faculty guided research projects.

911 Strategic Behavior in Economic Environments
Fall. 3(3-0) P:NM: (EC 812B)

Topics in cooperative and non-cooperative game theory. Applications include: oligopoly and bargaining theories, strategic voting and principal agent models, endogenous coalition formation, signalling, strategic trade, and auctions theories.

912 Risk, Uncertainty and Information
Spring. 3(3-0) P:NM: (EC 812A)

Effects of risk in economic environments. Topics include: expected utility theory, risk aversion, stochastic dominance, mean-variance models, state preference models, general equilibrium models with risk, information theory.

923 Advanced Environmental and Resource Economics
Spring of even years. 3(3-0) Interdepartmental with Agricultural Economics; Forestry; Park, Recreation and Tourism Resources; Resource Development. Administered by Department of Agricultural Economics. P:NM: (AEC 829 and EC 805)

Advanced economic theory of environmental management and policy. Treatment of externalities and market and non-market approaches to environmental improvement. Topics in conservation and sustainable economic growth. Applications to search and policy.

925 Environmental and Resource Economics Research
Spring of odd years. 3(3-0) Interdepartmental with Agricultural Economics; Forestry; Resource Development; Park, Recreation and Tourism Resources. Administered by Department of Agricultural Economics. P:NM: (AEC 829 and EC 805) SA: AEC 991H

Topics such as contingent or non-market valuation, institutional analysis, pollution prevention, environmental quality and location, recreational demand modeling, and environmental risk management. Research process in environmental and resource economics.

999 Doctoral Dissertation Research
Fall, Spring. Summer. 1 to 24 credits. A student may earn a maximum of 99 credits in all enrollments for this course. R: Open only to Ph.D. students in Economics.

Doctoral dissertation research.

EDUCATIONAL ADMINISTRATION EAD

Department of Educational Administration

College of Education

315 Student Leadership Training
Fall, Spring. 3(2-2)

Student leadership role, skills, and technique, consistent with the principles and demands of a democratic multicultural society.

451 Models of Special Education Administration and Services
Spring. 3(2-2) Interdepartmental with Counseling, Educational Psychology and Special Education. Administered by Department of Counseling, Educational Psychology, and Special Education. R: Open only to students admitted to the teacher certification program in emotional impairment or learning disabilities or to master's students in the Special Education major.

Application of theory and research to special education program design and implementation.

800 Organization Theory in Education
Fall, Spring, Summer. 3(3-0)

Organizational theory and research applied to educational administration. Topics include comparative organization settings, external environments, organizational effectiveness, and ethics.

801 Leadership and Organizational Development
Spring, Summer. 3(3-0)

Interaction of leadership with organizational culture and development within a variety of educational organizations.

802 Building a Learning Organization
Spring. 3(3-0)

Disciplines and practices for crafting a learning organization. Examination of Eastern, Western, and Quantum models of organization dynamics. Emphasis on strategies and skills for increasing human capacity.

803 Planning, Budgeting, and Evaluation
Spring. 3(3-0)

Planning, budgeting, and evaluation in educational organizations. Topics include needs assessment, funding sources, and processes for estimating costs and revenues.

804 Administration of Human Resources in Education
Fall, Summer. 3(3-0)

Tasks of personnel management in schools, colleges, and other educational organizations, including recruitment, selection, orientation, development, compensation, and evaluations. Focus on attracting and retaining a quality workforce in education.

805 Administration in Higher Education
Fall. 3(3-0)

Theories, systems, structures and processes of college and universities. Comparison of the organizational, leadership, and governance of higher education institutions to other non-profit organizations.

806 Learning Leadership and Organizational Analysis I
Fall. 2(2-0) R: Open only to graduate students in K-12 Educational Administration. Leadership of K-12 schools and associated community organizations. Theory and skills to discern organizational dynamics of schools and community. Professional ethics of K-12 school leadership.

807 Learning Leadership and Organizational Analysis II
Spring. 2(2-0) P: M: (EAD 806) R: Open only to graduate students in K-12 Educational Administration.

Data-based organizational analysis of K-12 schools and school-community relations. Leadership skills to define vision strategies. Case analysis and double-loop learning.

808 Professional Inquiry and Reflection Seminar
Fall, Spring. 1(1-0) P: M: (EAD 806) P:NM: (EAD 807) R: Open only to graduate students in K-12 Educational Administration. Skills and methods of disciplined reflection applied to issues of leadership practice. Methods of reflection and applications of multiple theories to cases of practice.

809 Interpersonal Dimensions of Leadership
Spring, Summer. 1(1-0) P: M: (EAD 806 and EAD 807) P:NM: (EAD 808) R: Open only to graduate students in K-12 Educational Administration.

Assessment of different approaches to school leadership. School leader as reflective practitioner and effective communicator in school and community contexts.

820 Internship in Educational Administration I
Fall. Spring. Summer. 1 to 3 credits. R: Open only to graduate students in K-12 Educational Administration. Supervised internship in an educational institution focused on school leadership issues.

821 Internship in Educational Administration II
Spring. Summer. 1 to 3 credits. R: Open only to graduate students in K-12 Educational Administration.

Supervised internship in an educational institution focused on school-community leadership issues.

845 Teaching, Learning, and School Restructuring
Spring. 3(3-0)

Relationship between school-wide interventions and improvement in classroom teaching; school restructuring and recruiting, strategies for school improvement, approaches to teaching and learning.

852A Elementary and Middle School Administration
Fall, Summer. 3(3-0)


852B Secondary School Administration
Fall, Summer. 3(3-0)