

CROP AND SOIL SCIENCES

940*. **Advanced Soil Physics**
Fall, even-numbered years. 2(2-0)
P: CSS 840 R: Graduate students
Modelling major physical transport mechanisms in the soil profile: aeration, water movement and evaporation, temperature, and solute movement.
QP: CSS 840 QA: CSS 812

941*. **Quantitative Genetics in Plant Breeding**
Spring of odd-numbered years. 3(3-0)
Interdepartmental with the Department(s) of Horticulture, Forestry, .

Theoretical genetic basis of plant breeding with emphasis on traits exhibiting continuous variation. Classical and contemporary approaches to the study and manipulations of quantitative trait loci.
QA: CSS 941

999*. **Doctoral Dissertation Research**
Fall, Spring, Summer. 3 to 12 credits in increments of 3 credits. May reenroll for a maximum of 24 credits.
R: Ph.D

QA: CSS 999

ECONOMICS **EC**

201. **Introduction to Microeconomics**
Fall, Spring, Summer. 3(3-0)
R: Not open to students with credit in EC 251H.
Economic institutions, reasoning and analysis. Consumption, production, determination of price and quantity in different markets. Income distribution, market structure and normative analysis.
QA: EC 201

202. **Introduction to Macroeconomics**
Fall, Spring, Summer. 3(3-0)
R: NONE Not open to students with credit in EC 252H.
Determinants of Gross National Product, unemployment, inflation and economic growth. National income accounting and fiscal policy. Aggregate demand, supply management and monetary policy.
QA: EC 202

251H. **Microeconomics and Public Policy**
Fall, Spring. 4(4-0)
R: Open only to Honors College students.
Not open to students with credit in EC 201 and EC 324.
Theories of consumer behavior, production and cost. Output and price determination in competition and monopolies. Welfare economics, general equilibrium, externalities, and public goods.
QA: EC 251H OR EC 324

252H. **Macroeconomics and Public Policy**
Fall, Spring. 3(3-0)
P: EC 251H or EC 201, EC 324. R: Open only to Honors College students. Not open to students with credit in EC 202 and EC 226, EC 326.
Theory of national income, unemployment, inflation and economic growth and its application to economic analysis and policy.
QA: EC 252H OR EC 326

301*. **Intermediate Microeconomics**
Fall, Spring, Summer. 3(3-0)
P: EC 201, EC 202. R: 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.
QP: EC 201 ANDEC 202 QA: EC 324

302*. **Intermediate Macroeconomics**
Fall, Spring, Summer. 3(3-0)
P: EC 201, EC 202. R: Not open to students with credit in EC 252H.
National income accounting. Determination of aggregate output, employment, price level, and inflation rate. Policy implications.
QP: EC 201 ANDEC 202 QA: EC 326

306*. **Comparative Economic Systems**
Fall. 3(3-0)
P: EC 201 or EC 251H; 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.
QP: EC 201 OREC 251HANDEC 202 QA: EC 434

330*. **Money, Banking, and Financial Markets**
Fall, Spring, Summer. 3(3-0)
P: EC 201 or EC 251H; EC 202 or EC 252H.
Money markets and financial intermediation. Money, the Federal Reserve System, and monetary policy. Regulation of money markets.
QP: EC 201 OREC 251HANDEC 202 QA: EC 318 EC 330

335*. **Survey of Public Economics**
Fall, Spring, Summer. 3(3-0)
Interdepartmental with the Department(s) of Agricultural Economics.
P: EC 201 or EC 251H. R: 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.
QP: EC 201 OREC 251H QA: EC 406 EC 407

340*. **Survey of International Economics**
Fall, Spring, Summer. 3(3-0)
P: EC 201 or EC 251H; EC 202 or EC 252H. R: 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.
QP: EC 201 OREC 251HANDEC 202 QA: EC 428 EC 429

360*. **Private Enterprise and Public Policy**
Fall, Spring, Summer. 3(3-0)
P: 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.
QP: EC 201 OREC 251H QA: EC 444 EC 445

380*. **Labor Relations and Labor Market Policy**
Fall, Spring, Summer. 3(3-0)
P: 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.
QP: EC 201 OREC 251H QA: EC 305 EC 306 EC 455

401*. **Advanced Microeconomics**
Fall, Spring. 3(3-0)
P: EC 301 or EC 251H.
Economics of uncertainty and incomplete information. Game theory and theories of oligopoly. Transaction costs. Advanced topics in welfare economics, general equilibrium, externalities, and public goods.
QP: EC 324 OREC 251H QA: EC 325 EC 426

402*. **Advanced Macroeconomics**
Fall, Spring. 3(3-0)
P: EC 251H or EC 301; EC 252H or EC 302.
Consumption, investment, and monetary theories. The role of expectations. Theories of economic growth and cycles. Stabilization policies.
QP: EC 324 OREC 251HANDEC 326 QA: EC 327 EC 470

403*. **Economic Thought I**
Fall. 3(3-0)
P: EC 201 or EC 251H; EC 202 or EC 252H.
Forerunners of classical economics. Classical economic thought from Adam Smith to J.S. Mill. The socialist reaction.
QP: EC 201 OREC 251HANDEC 202 QA: EC 421

404*. **Economic Thought II**
Spring. 3(3-0)
P: EC 201 or EC 251H; EC 202 or EC 252H.
Decline of classical economics and rise of marginalist value and distribution theory. Marxism and institutionalism.
QP: EC 201 OREC 251HANDEC 202 QA: EC 422

405*. **The Development of the American Economy**
Spring. 3(3-0)
P: EC 201 or EC 251H; 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.
QP: EC 201 OREC 251HANDEC 202 QA: EC 436

406*. **Economy of the Soviet Union**
Spring of even-numbered years. 3(3-0)
P: EC 201 or EC 251H; 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.
QP: EC 201 OREC 251HANDEC 202 QA: EC 438

410*. **Principles of Economic Development**
Fall. 3(3-0)
P: EC 201 or EC 251H; 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.
QP: EC 201 OREC 251HANDEC 202 QA: EC 430

411*. **Issues in Economic Development**
Spring. 3(3-0)
P: EC 201 or EC 251H; 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 ad
QP: EC 201 OREC 251HANDEC 202 QA: EC 431

ECONOMICS

412*. Economics of Latin America
 Fall of even-numbered years. 3(3-0)
 P: EC 201 or EC 251H; EC 202 or EC 252H.

Population growth, agriculture, and urbanization. Dependence on primary exports and import protection. Inequality and populist-orthodox policy cycles. Hyper-inflation, international debt crises, and adjustments. United States policy interests and intervene
 QP: EC 201 OREC 251HANDEC 202 QA: EC 362

413*. Economics of Asia
 Spring of odd-numbered years. 3(3-0)
 P: EC 201 or EC 251H; 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.
 QP: EC 201 OREC 251HANDEC 202 QA: EC 361

414*. Economics of Sub-Saharan Africa
 Fall of odd-numbered years. 3(3-0)
 P: EC 201 or EC 251H; EC 202 or EC 252H.

African economic development in historical perspective. Contemporary development issues including population growth, agricultural and industrial development, and foreign trade. Alternative strategies for African economic development.
 QP: EC 201 OREC 251HANDEC 202 QA: EC 363

420*. Introduction to Econometric Methods
 Fall, Spring. 3(3-0)
 P: EC 251H or EC 301; EC 252H or EC 302; STT 315, or STT 331, or STT 421.

Specification, estimation, and interpretation of econometric models. Evaluation of current quantitative work in economics.
 QP: EC 324 OREC 251HANDEC 326 QA: EC 451

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

Expenditure theory. Objectives and rationale of government activity in the market system. Efficiency criteria in government decision-making. Public choice. Cost benefit analysis.
 QP: EC 324 OREC 251H

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.
 QP: EC 324 OREC 251H

437*. State and Local Public Finance
 Fall of even-numbered 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 com
 QP: EC 201 OREC 251H QA: EC 408

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.
 QP: EC 324 OREC 251H

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.
 QP: EC 326 OREC 252H

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.
 QP: EC 324 OREC 251H

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.
 QP: EC 324 OREC 251H QA: EC 457

490*. Independent Study
 Fall, Spring, Summer. 1 to 3 credits.
 May reenroll for a maximum of 3 credits.

R: Approval of department.
 Research and reading course for students interested in doing independent work in economics under faculty supervision.
 QA: EC 400

495*. Economics of Poverty and Income Distribution
 Fall. 3(3-0)
 P: EC 201 or EC 251H and EC 202 or EC 252H.

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.
 QP: EC 201 OREC 251HANDEC 202 QA: EC 412

496*. Interpreting Economic News and Research
 Spring of even-numbered years. 3(3-0)
 P: EC 201 or EC 251H, EC 202, 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.
 QP: EC 201 OREC 251HANDEC 202 QA: EC 401

497*. Economics of Education
 Spring of odd-numbered years. 3(3-0)
 P: 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.
 QP: EC 201 OREC 251H QA: EC 463

498*. Economics of Health Care
 Fall of odd-numbered years. 3(3-0)
 P: 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.
 QP: EC 201 OREC 251H QA: EC 410

499*. Senior Seminar
 Fall, Spring. 3(3-0)
 P: EC 251H or EC 301; EC 252H or EC 302; EC 420 or concurrently. 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.
 QP: EC 324 OREC 251HANDEC 326

801*. Mathematical Applications in Economics
 Fall. 3(3-0)
 P: MTH 120 or MTH 124 or MTH 132 R:

Graduate students Economics, Ag. Economics, Business Administration
 Applications of mathematical tools in economic analysis including: matrix algebra, derivatives, partial derivatives, optimization, integration and linear differential equations.
 QP: MTH 112 QA: EC 480 OR MTH 480

803*. Managerial Economics
 Fall, Spring. 3(3-0)
 R: Graduate Business MBA Not open to students with credit in EC 805 or EC 812A

Analysis of the firm. Problems facing management; economizing in use of resources, optimal combinations of products, pricing, competitive forces in regional and international markets affecting the firm.
 QA: EC 803

804*. Macroeconomics
 Fall, Spring. 3(3-0)
 P: EC 803 or equivalent R: Graduate Business MBA Not open to students with credit in EC 809 or EC 813A

Determinants of national income, employment, and inflation. National income accounting. Analysis of business fluctuations, fiscal and monetary policy, international trade, and capital flows.
 QP: EC 803 QA: EC 804

805*. Microeconomic Analysis
 Fall. 3(3-0)
 P: EC 301 and (EC 801 or MTH 126 or concurrent) R: Graduate Economics, Ag. Economics, Business Administration Not open to students with credit in EC 812A

Microeconomic theory with calculus: production, costs, demand, markets, general equilibrium and welfare theory.
 QP: EC 324 MTH 113 QA: EC 805A

807*. Applied Microeconomic Analysis
 Spring. 3(3-0)
 P: EC 805 R: Graduate

Applications of microeconomic theory taken from public finance, labor economics, international trade, and industrial organization.
 QP: EC 805A OREC 812A QA: EC 807

809*. Macroeconomic Analysis
 Spring. 3(3-0)
 P: EC 302 and (EC 801 or MTH 126 or concurrent) R: Graduate Not open to students with credit in EC 813A

Closed and open economy macroeconomic theory with calculus. Theories of inflation, unemployment, growth, business cycles, consumption, investment, money demand; policy debates and macroeconomic forecasting
 QP: EC 326 MTH 113 QA: EC 809

811*. The Structure of Economic Analysis
 Fall. 3(3-0)
 P: MTH 133 or EC 801 R: Graduate Economics, Ag. Economics, Business Administration

Analysis of static and dynamic decision models in economics including concepts of equilibrium, stability, comparative statics and duality.
 QP: MTH 113 OREC 480ORMTH 480

ECONOMICS

- 812A*.** **Microeconomics I**
 Fall. 3(3-0)
 P: EC 811 or concurrent R: Graduate
 Consumption theory, including choice under uncertainty; theory of production in perfectly competitive markets; general equilibrium in the presence of perfect competition; efficiency properties of competitive equilibria.
 QA: EC 812A
- 812B*.** **Microeconomics II**
 Spring. 3(3-0)
 P: EC 812A R: Graduate
 Introduction to social choice; market failure (including externalities, public goods, imperfect information and market power).
 QP: EC 812A QA: EC 812B
- 813A*.** **Macroeconomics I**
 Fall. 3(3-0)
 P: EC 811 or concurrent R: Graduate
 Static and dynamic macroeconomic models; theories of consumption, investment, money demand and supply, rational expectations, and the government budget constraint.
 QA: EC 813A
- 813B*.** **Macroeconomics II**
 Spring. 3(3-0)
 P: EC 813A R: Graduate
 New classical theories of business cycles and growth; theories of price and wage rigidities, search, imperfect competition, and credit rationing in macroeconomic models; asset pricing.
 QP: EC 813A QA: EC 813C
- 815*.** **Economic Thought I**
 Fall. 3(3-0)
 R: Graduate
 Ancient, scholastic, and mercantilist economic thought. Origins and development of classical political economy. Socialist, Romantic, and Marxist reactions to classicism.
 QA: EC 841A
- 816*.** **Economic Thought II**
 Spring. 3(3-0)
 R: Graduate
 German and English historicism. Austrian and general equilibrium economics. Neoclassical economics. Institutionalism. Origins and development of Keynesian economics. History of economic thought in retrospect.
 QA: EC 841C
- 817*.** **The Industrial Revolution**
 Spring of even-numbered years. 3(3-0)
 R: Graduate
 The preconditions that led to momentous changes in agriculture and industry beginning in the eighteenth century.
 QA: EC 855
- 819*.** **Economic Role of Government**
 Spring. 3(3-0)
 R: Graduate
 Analysis of the legal system and of legal foundations of economic structure and performance. Particular attention to property rights, the taking issue, and compensation.
 QA: EC 806D
- 820*.** **Econometrics I**
 Spring. 3(3-0) Interdepartmental with the Department(s) of Agricultural Economics, Statistics and Probability.
 P: STT 430 and EC 801 R: Graduate
 Single equation regression. Least-squares estimators under various specifications. Multicollinearity, generalized least-squares, errors in variables, seemingly unrelated regressions. Identification and estimation in simultaneous equations models.
 QP: STT 442 ANDEC 480ORMTH 480 QA: EC 876
- 821*.** **Econometrics II**
 Fall. 3(3-0) Interdepartmental with the Department(s) of Agricultural Economics, Statistics and Probability.
 P: STT 442 and EC 820 R: Graduate
 Estimation and hypothesis testing. Asymptotic properties of optimization estimators. Analysis of cross-sectional economic data. Qualitative and limited dependent variables; probit, logit, tobit, sample selectivity. Duration models. Count data.
 QP: EC 876 STT 442 QA: EC 877
- 822*.** **Econometrics III**
 Spring. 3(3-0) Interdepartmental with the Department(s) of Agricultural Economics, Statistics and Probability.
 P: STT 442, EC 820 R: Graduate
 Dynamic models and time series data. Univariate and vector ARMA models. Unit roots, cointegration and error correction. Rational expectations models.
 QP: STT 442 EC 876 QA: EC 878
- 823*.** **Applied Econometrics**
 Fall. 3(3-0)
 P: EC 820 R: Graduate
 Problems of estimating models and testing hypotheses from economic theory. Applications of various econometric models to economic problems.
 QP: EC 835 OREC 876 QA: EC 891
- 830*.** **Advanced Macroeconomics and Monetary Theory**
 Fall. 3(3-0)
 P: EC 812B and EC 813B R: Graduate
 General equilibrium models of monetary economies; money and growth; monetary and financial models of the business cycle; hyperinflation; bubbles, sunspots, cycles, and multiple equilibria.
 QP: EC 812C EC 813C QA: EC 818A
- 831*.** **Problems in Monetary Theory and Policy**
 Spring. 3(3-0)
 P: EC 809 or EC 813A, EC 820 R: Graduate
 Empirical models of money, output, prices and interest rates; goals and techniques of monetary policy.
 QP: EC 809 OREC 813AANDEC 835 QA: EC 818C
- 835*.** **Public Expenditures**
 Fall. 3(3-0)
 P: EC 805 or EC 812A R: Graduate
 Allocative and distributional effects of public expenditure. Public goods and externalities. Selected topics in public expenditure analysis, e.g. cost-benefit analysis, fiscal federalism, mechanism design, public choice, general equilibrium models.
 QP: EC 805A OREC 812A QA: EC 806A
- 836*.** **Public Revenues**
 Spring. 3(3-0)
 P: EC 805 or EC 812A R: Graduate
 Theory of taxation. Allocative and distributional effects of taxation, user charges, and deficit finance. Positive and normative aspects. General equilibrium models. Dynamic models. Issues of fiscal federalism.
 QP: EC 805A OREC 812A QA: EC 806B
- 840*.** **International Trade: Theory and Commercial Policy**
 Fall. 3(3-0)
 P: EC 805 or EC 812A R: Graduate
 The commodity composition of trade; welfare and distributional effects of trade; analysis of commercial policy measures such as tariffs, quotas, and export subsidies; international economic policy; theory and practice of regional economic integration.
 QP: EC 805A OREC 812A QA: EC 826A
- 841*.** **Exchange Rates and Capital Flows**
 Spring. 3(3-0)
 P: EC 805 and EC 809, or EC 812A and EC 813A R: Graduate
 The balance of payments statement; mechanisms of balance of payments adjustment; exchange rate determination; domestic policies under alternative exchange rate regimes; regional monetary integration; the international currency system.
 QP: EC 805A ANDEC 809OREC 812A QA: EC 826C
- 850*.** **Growth, Development, and Human Resources**
 Fall. 3(3-0)
 P: EC 805 or EC 812A R: Graduate
 Theory and measurement of long-run growth. Population growth, technological change, capital formation, urbanization, entrepreneurship, process of structural change.
 QP: EC 805A OREC 812A QA: EC 850 EC 851
- 851*.** **Domestic and Foreign Development Policies**
 Spring. 3(3-0)
 P: EC 805 and EC 809, or EC 812A and EC 813A R: Graduate
 Problems of economic development. Market formation, financial markets and monetary policy, fiscal policy, investment criteria and externalities, trade policy, foreign capital, international disequilibrium.
 QP: EC 805A & EC 809OREC 812A QA: EC 852
- 860*.** **Market Structure and Behavior**
 Fall. 3(3-0)
 P: EC 805 or EC 812A R: Graduate
 Theoretical/empirical treatments of mkt structures: concentration, entry cond's, consequences. Theory of the firm: size, scope, integration, motivation. Static market behavior: cooperation, competition. Antitrust treatment of cartels and mergers.
 QP: EC 805A OREC 812A QA: EC 821A
- 861*.** **Dynamic Market Behavior and Performance**
 Spring. 3(3-0)
 P: EC 805 or EC 812A R: Graduate
 Theoretical/empirical treatments of dynamic aspects of industry behavior. Strategic behavior, predation, and antitrust treatment. Research, development, innovation. Gov't controls on industrial behavior/performance. Public utilities and regulation.
 QP: EC 805A OREC 812A QA: EC 821C
- 880*.** **Labor Economics I**
 Fall. 3(3-0)
 P: EC 805 or EC 812A R: Graduate
 Labor supply and measurement of the labor force; labor demand; mobility, turnover, and migration; equalizing wage differentials; trade union growth, goals, bargaining and effects.
 QP: EC 805A OREC 812A QA: EC 857A
- 881*.** **Labor Economics II**
 Spring. 3(3-0)
 P: EC 805 and EC 809, or EC 812A and EC 813A R: Graduate
 Human capital; internal labor markets and the economics of personnel; economics of discrimination; wage distributions; job search and matching; macroeconomic issues in labor markets.
 QP: EC 805A ANDEC 809OREC 812A QA: EC 857C
- 895*.** **Graduate Reading in Economics**
 Fall, Spring, Summer. 1 to 3 credits.
 May reenroll for a maximum of 6 credits.
 R: Graduate
 Directed research projects
 QA: EC 895

ECONOMICS

911* Strategic Behavior in Economic Environments
 Fall. 3(3-0)
 P: EC 812B R: Graduate
 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.
 QP: EC 812C QA: EC 900

912* Risk, Uncertainty and Information
 Spring. 3(3-0)
 P: EC 812A R: Graduate
 Analysis of the 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.
 QP: EC 812A QA: EC 900

999* Doctoral Dissertation Research
 Fall, Spring, Summer. 1 to 24 credits.
 May reenroll for a maximum of 99 credits.
 R: Doctoral Economics
 QA: EC 999

EDUCATIONAL ADMINISTRATION EAD

315* Student Leadership Training
 Fall, Spring. 3(2-2)
 R: Undergraduate
 Student leadership role, skills, and technique, consistent with the principles and demands of a democratic multicultural society.
 QA: EAD 415A EAD 415B

800* Organization Theory
 Fall, Spring, Summer. 3(3-0)
 R: Graduate status
 Organizational theory and research applied to educational administration.

801* Leadership and Organizational Development
 Spring, Summer. 3(3-0)
 R: Graduate students
 Interaction of leadership with organizational culture and development.
 QA: EAD 862 EAD 951F

802* Staff and Professional Development
 Spring. 3(3-0)
 R: Graduate students
 Staff and professional development interventions within the context of educationally oriented organizations.
 QA: EAD 874A EAD 874B

803* Planning, Budgeting, and Evaluation
 Spring. 3(3-0)
 R: Graduate students
 Major functions encountered by administrators in educational organizations: planning, budgeting, and evaluation.
 QA: EAD 851D EAD 971B

804* Human Resources Management in Education
 Fall, Summer. 3(3-0)
 R: Graduate students
 Recruitment, selection, orientation, training, salary and fringe benefits, morale, negotiations, and quality of work life in educational organizations.
 QA: EAD 951E

805* Education, Development, and Social Change
 Spring of odd-numbered years. 3(3-0)
 Interdepartmental with the Department(s) of Teacher Education.
 R: Graduate status
 Rise of modern systems of education in developed and developing countries. Education, the state, and national development. Linkages, colonial heritage, and globalization of educational development.
 QA: EAD 805A EAD 805B EAD 805C

852A* Elementary and Middle School Administration
 Fall, Summer. 3(3-0)
 R: Graduate student
 Administration and supervision of elementary and middle schools. Alternative organizational arrangements, curricula, practices, problems and strategies for improving K-8 schools.
 QA: EAD852A

852B* Secondary School Administration
 Fall, Summer. 3(3-0)
 R: Graduate student
 Administration and supervision of secondary schools. Alternative organizational arrangements, curricula, practices, problems and strategies for improving secondary schools.
 QA: EAD 852B

853B* Schools, Families, and Communities
 Fall. 3(3-0)
 R: Graduate student
 Comparative and historical analyses of education in and out of schools and within the broader social context. Families, communities, and the private sector. Relationships among social problems, social policies, and school practice.

853C* Instructional Supervision
 Spring, Summer. 3(3-0)
 P: EAD 800 R: Graduate student
 Instructional supervision in K-12 schools. Supervision and evaluation of teaching and learning. Strategies for improvement of K-12 education.
 QA: EAD 852C

860* Introduction to the Learning Society
 Fall, Summer. 3(3-0)
 R: Graduate students
 Lifelong education in the United States and other countries. Origins, forms, purposes, sponsors, content, and theory.
 QA: EAD 860

861A* Adult Learning
 Fall, Summer. 3(3-0)
 R: Graduate students
 Conceptions of adult development and life transitions. Adult motivation and barriers to participation. Theories of adult learning.
 QA: EAD 861

861B* Strategies for Teaching Adults
 Spring. 3(3-0)
 P: EAD 860 and EAD 861A R: Graduate students
 Strategies for teaching adults including assessing program goals, setting expectations, developing resources, choosing strategies, and evaluating outcomes.
 QA: EAD 864 EAD 964 EAD 872A

861C* Basic Skills in the Community and Workplace
 Spring of odd-numbered years. 3(3-0)
 R: Graduate students
 Psychological, sociological, economic and political implications of illiteracy. Literacy campaigns and specific approaches to reducing illiteracy. Workforce literacy programs and techniques in schools, business, industry and labor.
 QA: EAD 866A EAD 866B

862A* Training in Industry
 Fall. 3(3-0)
 P: EAD 860 R: Graduate students
 Factors influencing the development of education and training in business and industry. Relevance of training and development models to adult educators.
 QA: EAD 869C

862B* Adult Career Development
 Spring. 3(3-0)
 R: Graduate students
 Personal, social and economic impact of careers. Theories, practices and systems available to professionals in assisting client groups in the career development process.
 QA: EAD 869A EAD 869B

870* Foundations of Postsecondary Education
 Fall. 3(3-0)
 R: Graduate
 Growth and development of colleges and universities. Major historical, philosophical and social forces that shaped their development. Emphasis on the development of higher education in the United States
 QA: EAD 870B

871B* Collegiate Contexts for Teaching and Learning
 Spring of odd-numbered years. 3(3-0)
 P: EAD 800, EAD 861A R: Graduate students
 Individual, institutional, cultural, professional, and external environmental factors that shape collegiate teaching and learning. Administrative and organizational strategies for improving learning.
 QP: EAD 861 QA: EAD 872A

872* Legal Issues in Higher Education
 Spring. 3(3-0)
 R: Graduate students
 Legal aspects of administrative practice in institutions of higher education including governance, academic freedom, due process, and anti-discrimination.
 QA: EAD 970A

873* The College Student Experience
 Fall. 3(3-0)
 R: Graduate students
 Impact of higher education on college students. Activities and environmental variables which can improve the collegiate experience.
 QA: EAD 870F

874A* Student Affairs in Collegiate Settings I
 Fall. 3(3-0)
 R: Graduate students
 History, development, philosophy, organization and administration of college student personnel as a profession. The college student as an individual. Services, programs and skills needed in the profession.
 QA: EAD 873A EAD 873B

874B* Student Affairs in Collegiate Settings II
 Spring. 3(3-0)
 P: EAD 874A R: Graduate students
 College students as members of groups. Peer and group influence, including the impact of diversity on behavior. Student disciplinary philosophy, and practice. Professional development of student affairs staff.
 QP: EAD 873A QA: EAD 873B EAD 873C

894A* Practicum in Student Affairs
 Fall, Spring. 2(1-3) May reenroll for a maximum of 4 credits.
 R: MA program Education Student Affairs
 Supervised work experience in student affairs.
 QA: EAD 876A