865. Organic Chemistry of Soils
Spring of odd-numbered years. 3(3-0)
CEM 242.
Relationship of natural and synthetic organic
chemicals to biochemical processes in the soil environment.

870. Origin and Classification of Soils
Winter. 4(4-0) CSS 470, CSS 480, or
approval of department.
Genesis, morphology and classification of major
soils of the world. Relationships among soils in
natural and cultural landscapes. How soil prop-
ties affect their use, management and conserva-
tion. Land classifications for various purposes.

969. Master's Thesis Research
Fall, Winter, Spring, Summer. Vari-
able credit. Approval of department.

920. Applied Regression Analysis
Spring. 3(3-0) STT 423 or approval of
department.
Multiple regression, model selection, the general
linear model and confounding in factorial sets of
treatments.

940. Theoretical Population Genetics
Winter of even-numbered years. 4(4-0)
MTH 113, STT 422, CSS 821. Interdepartmen-
tal with the departments of Forestry and Horti-
culture. Administered by the Department of Forestry.
Discussion of mathematical theories in popula-
tion genetics and experimental works on natural
and laboratory populations.

941. Quantitative Genetics in Plant
Breeding
Spring of even-numbered years. 4(4-0)
STT 423, CSS 823 or approval of department.
Interdepartmental with the departments of Fore-
yry and Horticulture.
Calculation and implication of genetic param-
eters. Linkage, Coancestry and inbreeding. Cov-
nariance between relatives, Heritability and
selection. Genotype by environment interac-
tion. Emphasis on relationship of quantitative
genetics to plant breeding.

944. Physiological Genetics
Winter of odd-numbered years. 3(3-0)
BOT 413. Interdepartmental with the
departments of Forestry and Horticulture.
Administered by the Department of Forestry.
Central of variation in higher plants including
adaptive physiology, quantitative genetics,
growth correlation, biochemical genetics,
hybrid physiology, and genecology.

999. Doctoral Dissertation Research
Fall, Winter, Spring, Summer. Vari-
able credit.

ECONOMICS

218. Money, Credit and Banking
Fall, Winter, Spring, Summer. 4(4-0)
EC 202 or EC 210.
Commercial banking and the money supply.
The Federal Reserve System, the Treasury, and
other financial institutions. Sources and uses of
funds in the financial market.

234. Microeconomics I
Fall, Winter, Spring. 3(3-0)
EC 201, EC 202 or EC 210.
Theory of production and cost. Theory of the
firm under varying market structures.

235. Microeconomics II
Fall, Winter, Spring. 3(3-0)
EC 201, EC 202 or EC 210, EC 324.
Consumer choice and theory of demand. Theory
of distribution and factor rewards. Welfare eco-
nomics and general equilibrium theory.

236. Macroeconomics I
Fall, Winter, Spring. 3(3-0)
EC 201, EC 202 or EC 210.
Review of national income accounting. Deter-
mination of aggregate output, employment, the
price level, and the inflation rate. Policy appli-
cations.

237. Macroeconomics II
Fall, Winter, Spring. 3(3-0)
EC 326.
Consumption theories, investment theories, role
of expectations, theories of economic growth
and cycles, stabilization policies, and other
advanced topics.

330. Investments and Security Markets
Fall, Spring. 3(3-0) EC 202 or EC 210,
Juniors.
The stock market; principles of investment;
analysis of selected industries and corporations;
regulation by the Securities and Exchange Com-
mission.

337. American Social and Economic
History: Foundations
Winter. 4(4-0) interdepartmental with
and administered by the Department of History.
Multiple sources of economic growth in eco-
nomics, social and political change, education,
science and technology, political action, and
other factors, mid-19th century.

338. American Social and Economic
History: Modern Trends
Spring. 4(4-0) Interdepartmental with
and administered by the Department of History.
Urbanization, origins and implications of larges-
cale organizations in business and other sectors
of society, and sources of economic growth since
mid-19th century.

361. Economic Development of Asia
Fall. 3(3-0) EC 201. EC 202 or EC 210.
Population and resources; comparison of three
economic systems: Communism in China, free
enterprise in Japan and socialism in India; the
role of Japan in regional trade and development.

362. Economic Development of Latin
America
Winter. 3(3-0) EC 201, EC 202 or EC
210.
Concentration of political and economic power
as related to income distribution, tax structures,
agrarian reform; inflation, trade, exchange
rates, integration; population and employment
policy.

EARTH SCIENCE

See Geological Sciences.
Economics — Descriptions of Courses

371A. European Economic History to 1800
Fall, 4(4-0) Interdepartmental with and administered by the Department of History. Economic history of medieval and early modern Europe stressing the nature of agrarian societies, the growth of cities, the divergence of the European economies, and the Industrial Revolution in England.

371B. European Economic History after 1800
Winter, 4(4-0) Interdepartmental with and administered by the Department of History. The industrialization of Europe stressing urbanization, national rivalry, problems of the maturation of capitalist institutions, and the social and ecological impact of economic growth in the twentieth century.

400. Independent Study
Fall, Winter, Spring, Summer. 1 to 4 credits. Senior or approval of department. Research and reading course for students interested in doing independent work in economics.

404. Interpreting Economic News and Research
Winter, 3(3-0) EC 201, EC 202 or EC 210 or EC 251H; 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.

406. Public Expenditure: Theory and Policy
Fall, Spring, 4(4-0) EC 201 or EC 210. Interdepartmental with Public Affairs Management.
Expenditure theory; objectives and rationale of government activity in the market system; efficiency criteria in government decision making; planning-programming-budgeting systems and cost-benefit analysis.

407. Public Revenues
Winter, 4(4-0) EC 201 or EC 210.
Principles and theory of the distribution of tax burdens and the incidence of taxation. Income, sales, property, and other major revenue sources.

408. State and Local Finance
Spring, 4(4-0) EC 201 or EC 210 or EC 251H.
Fiscal problems at the state and local levels of government, including revenues, expenditures, borrowing, and intergovernmental fiscal relations.

410. Medical Economics
Spring, 3(3-0) EC 201, EC 202 or approval of department.
Demand, supply and economic efficiency in the markets for health services. Demand for medical care, organization forms, methods of payment, utilization and cost, and public policy for health care.

412. The Economics of Poverty and Income Distribution
Winter, 3(3-0) EC 200, EC 201.

413. Urban Economics
Fall, 4(4-0) EC 200, EC 201.
Location theory and urban development. Economics of city size and urban-suburban conflict. Economic aspects of certain community problems like housing, transportation, welfare and poverty. Strategies for urban development.

417. Land Economics
Fall, Spring, 4(4-0) Interdepartmental with Public Affairs Management, and Food Systems Economics and Management and the Department of Resource Development. Administered by the Department of Resource Development.
Factors affecting the economic use of land and space resources by people. Input-output relationships; development, investment, and enterprise location decisions. Land markets; property rights, area planning; zoning and land use controls.

421. Economic Thought I
Fall, Summer, 4(4-0) EC 200 and EC 210, or EC 210.
Forerunners of classical economics. Development of classical economic thought from Adam Smith to J. S. Mill. The socialist reaction.

422. Economic Thought II
Winter, Spring, 4(4-0) EC 200 and EC 210, or EC 210.
The decline of classical economics and the rise of marginalist value and distribution theory. Marxism and institutionalism.

426. Introductory Mathematical Economics
Spring, 3(3-0) EC 324, EC 326, MTH 214.
Mathematical analysis of production, cost, and consumer choice. Mathematical models of aggregative and general-equilibrium economic systems.

428. International Trade
Fall, Winter, Spring, Summer, 3(3-0) EC 200 and EC 210, or EC 210. EC 218 and EC 429 are a two-term sequence. Students should take the courses in succeeding terms, though they may begin with either course.

429. International Finance
Fall, Winter, Spring, Summer, 3(3-0) EC 200 and EC 210, or EC 210. EC 218 and EC 429 are a two-term sequence. Students should take the courses in succeeding terms, though they may begin with either course.

430. Stagnation and Development in Emerging Societies
Winter, Summer, 4(4-0) EC 200 and EC 201, or EC 210.
Obstacles to economic growth, theories of economic development, reorganizing agriculture and industry; problems in mobilizing the economy to accommodate new productive techniques; population problems.

431. Principal Issues in Promoting Economic Development
Spring, 4(4-0) EC 200, EC 201.
Structural change and growth, capital formation and investment criteria; financing development; foreign trade and finance in development; government and planning.

434. Comparative Economic Systems
Fall, Winter, Summer, 4(4-0) EC 200 and EC 210, or EC 210. Alternatives and functions of an economic system. Analysis of alternative patterns of economic control, planning and market structure. Experiences under capitalism, socialism and mixed economies. Consideration of their theories and philosophies.

444. Private Enterprise and Public Policy
Fall, Winter, Spring, Summer, 3(3-0) EC 201 or EC 210. Competition and monopoly in the American economy. Problems of antitrust.

445. Economics of Regulated Industries
Winter, 4(4-0) EC 444.
Government policy and role of competition in the public utility and transportation industries.

451. Introduction to Econometric Methods
Fall, Spring, 4(4-0) EC 324, EC 326; STT 442 or STT 442 or STT 316.
Specification, estimation and interpretation of econometric models. Understanding and evaluation of current quantitative work in economics.

453. Women and Work: Issues and Policy Analysis
Winter, 3(3-0) PAM 201 or EC 201 or EC 202 or approval of department. Interdepartmental with and administered by Public Affairs Management.
Quantitative and quality of labor force participation by women, current status and past trends. Issues analyzed include differential earnings and occupations of men and women, employment discrimination and labor legislation.

455. Labor and the Law
Spring, 4(4-0) EC 305.
Development and current status of labor law as it applies to unions, employers, employees and collective bargaining. Economic and social issues regulated by, and posed by, labor law.

457. Analysis of Labor Markets
Spring, 4(4-0) EC 200 and EC 201, or EC 210.
Theories of labor market behavior, empirical evidence and policy implications. Topics include labor supply, labor demand, wage differentials (due to education, discrimination, and union membership), competition and mobility.

A-61
460. Regional Economics
Winter. 4(4-0) R D 417 or EC 324.
Interdepartmental with Food Systems Economics and Management, Public Affairs Management, and the Department of Resource Development. Administered by the Department of Resource Development.

461. Regional Economics Laboratory

463. Economics of Urban Education
(UMS 463.) Spring. 3(3-0) EC 301 or EC 210.
Political economy of urban schools. Education as a commodity: efficient production and distribution, supply and demand for education, financing education, planning education to meet job needs and social mobility.

470. Monetary Theory
Fall. 3(3-0) EC 327.
Relationship between money and interest rates, prices and output.

480. Mathematics for Economists
Fall. 3(3-0) MTH 113, graduate status in either economics, agricultural economics or College of Business, or approval of department. Interdepartmental with and administered by the Mathematics Department. Matrix algebra, determinants, quadratic forms, characteristic values. Partial derivatives, chain rule, Jacobian matrix. Taylor series, constrained optimization, linear differential equations. Mathematics introduced and developed using student's background in economics.

503. Managerial Economics
(UMS 480.) Fall, Winter, Summer. 4(4-0)
Graduate students in Business Administration or approval of department. Not open to undergraduates or to those with credit in EC 805A, EC 812A, or EC 860.
Analysis of the firm. Problems facing management; economizing in use of resources, optimal combinations of products, pricing, competitive forces in markets affecting the firm.

504. Macroeconomic Models
(UMS 481.) Fall, Winter, Spring. 4(4-0)
Graduate students in Business Administration or approval of department. Not open to undergraduates or to those with credit in EC 805A, EC 813A or EC 861.

505A. Microeconomics Theory
Fall, Winter. 3(3-0) MTH 113, EC 324; not open to students with credit in EC 812A.
A review of microeconomic theory with calculus: production, costs, demand, markets, general equilibrium and welfare theory.

505B. Microeconomics Theory
Fall, Spring. 3(3-0) MTH 113, EC 326; closed to students with credit in EC 812A.
A review of microeconomic theory with calculus: comparative statics of macroeconomic models; theories of inflation and unemployment.

506A. Public Expenditures
Fall. 3(3-0); Approval of department. Public sector allocation and redistribution. Public goods, externalities, market imperfections, property rights. Cost-benefit analysis and PPBS. Alternative theories of the state. Political theories of public expenditures.

506B. Public Revenues
Winter. 3(3-0) Approval of department.
Theory of taxation, Incidence and economic effects, especially on income and wealth redistribution. Institutional and policy analysis of the U.S. federal tax system.

506C. State and Local Public Finance
Spring. 3(3-0) Approval of department.
State and local expenditure systems in theory and practice; tax and non-tax revenues; intergovernmental fiscal relationships; the fiscal problems of metropolitan governments.

507. Survey of Microeconomic Analysis
Winter, Spring. 3(3-0) EC 805A or EC 812A.
Analytical methods taught through journal readings and practical examples from public finance, labor economics, industrial organization, and international trade. Such topics as measurement of tax incidence and effects of unemployment insurance.

508. Techniques of Microeconomic Analysis
Spring. 3(3-0) EC 805 or EC 805A or EC 812A.
Techniques of microeconomic analysis taught through examples drawn from current economic events; an emphasis on getting answers to problems encountered by practicing economists.

509. Macroeconomic Analysis
Winter, Summer. 3(3-0) EC 804 or EC 805B or EC 812A.
Analysis techniques taught through readings and examples from monetary economics, economic development, and international trade. Such topics as macroeconomic forecasting, sources of economic growth, and exchange constraints on monetary policy.

510. Economics of Public Choice
Winter. 3(3-0) Approval of department, interdepartmental with the departments of Agricultural Economics, and Resource Development. Administered by the Department of Agricultural Economics.
Economics of alternative institutions for collective action. Emphasis on property rights and natural resources. Public goods, externalities and public choice; the norm, as in public utilities and transportation. Various means by which a government may make use of the theory of the tariff, the comparison of the effects of trade, and the economic impact of trade controls upon a nation and the world.

512C. Microeconomics III
Fall. 3(3-0) EC 822B.
General equilibrium and welfare; optimality of competition; market failures; economics of linear and nonlinear programming and input-output analysis.

513A. Macroeconomics I
Fall. 3(3-0) EC 326, EC 327, EC 480 or MTH 215 or concurrently.
Income accounting and price indices; comparative statics of macroeconomic models; consumption and investment functions; the money supply.

513B. Macroeconomics II
Winter. 3(3-0) EC 813A.
Demand for money; portfolio theory; theories of inflation and unemployment.

513C. Macroeconomics III
Spring. 3(3-0) EC 815B.
Models of macroeconomic disequilibrium; macro dynamics and the effects of search; theories of neoclassical and optimal economic growth.

515A. Monetary Theory
Fall. 3(3-0) EC 812C, EC 813C, and EC 835 and approval of department.
Monetary and interest theories.

515B. The Theory of Monetary Policy
Winter. 3(3-0) EC 815A or approval of department.
Theories of the transmission of monetary policy to output, employment and prices.

515C. Problems in Monetary Policy
Spring. 3(3-0) EC 816B.
Goals and techniques of monetary policy.

521A. Competition and Monopoly in American Industry
Fall. 3(3-0) Approval of department.
Examination of structure, behavior, and performance in industries.

521B. Government Policy Toward Private Enterprise
Winter. 3(3-0) Approval of department.
Evolution of government policy with respect to such problems as conspiracy, monopoly, mergers, union practices, and discrimination. Economic and legal appraisal of policy alternatives.

521C. Problems Related to Regulated Industries
Spring. 3(3-0) Approval of department.
Departures from market competition as a policy norm, as in public utilities and transportation.

526A. Theory of International Trade
Fall. 3(3-0) EC 428 or approval of department.
Classical and modern theories of international trade. Application of modern techniques of economic analysis to international trade theory.

526B. Theory of International Trade Policy
Winter. 3(3-0) EC 826A.
Various means by which a government may influence the volume, character, and direction of its foreign commerce. In this connection an analysis is made of the theory of the tariff, the subsidy, exchange control, and quotas. Emphasis on the economic impact of trade controls upon a nation and the world.
826C. International Exchanges and Capital Flows  
Spring. 3(3-0) EC 826B.  
Theory of exchange rates and international money markets especially with reference to other than current account items in balances of payments. Analysis of sources, causes, effects of capital flows with developing economies considered as a special case.

835. Introduction to Econometrics  
Spring, Summer. 3(3-0) EC 325, STT 422; not open to students with credit in EC 835. Interdepartmental with the Department of Agricultural Economics.  

836. Econometric Methods  
Winter. 3(3-0) STT 442; EC 325 or EC 803 or EC 805A or EC 812A; not open to students with credit in EC 835. Properties of least squares and maximum likelihood estimators of single and simultaneous equations economic models.

841A. History of Economic Thought: Classical  
Fall. 3(3-0)  
Early thought, mercantilism, physiocracy, and classical economics.

841B. History of Economic Thought: Heterodox  
Winter. 3(3-0)  
Historicism, socialism, and institutionalism.

841C. History of Economic Thought: Modern  
Spring. 3(3-0)  
Development of marginalism, general equilibrium theory, employment theory, and mathematical economics.

850. The Development of Economic Institutions  
Fall. 3(3-0) EC 430 or approval of department.  

851. The Economics of Secular Change  
Winter. 3(3-0) EC 324, EC 326 or approval of department.  
Empirical studies of long-run economic trends and a consideration of alternative hypotheses explaining these trends including classical Marxism, Harrod-Domar, and other general theories of economic development. Population growth, technological change, capital formation, occupational distribution, urbanization, and international trade.

852. Economic Problems of Underdeveloped Areas  
Spring. 3(3-0) EC 324, EC 326 or approval of department.  
Overcoming problems relating to early stages of economic development; investment priorities, mobilizing savings, balance of payments considerations; and policies and programs of various types.

855. The Industrial Revolution in Europe  
Winter of even-numbered years. 3(3-0) EC 318, EC 334. Interdepartmental with the Department of History.  
The preconditions that led to the momentous changes in agriculture and industry in Europe from 1700-1814.

857A. Wage Theory I  
(Fall.) Fall. 3(3-0) EC 324, EC 336 or approval of department. Interdepartmental with the School of Labor and Industrial Relations.  
Advanced analysis of: theories of wage determination; labor market research, economic effects of collective bargaining upon the national wage structure; output, employment, distribution of national income, the price level; nature and effects of government wage policies.

857B. Wage Theory II  
Winter. 3(3-0) EC 324, EC 336 or approval of department.  
Advanced analysis of education, on-the-job training, family background, and discrimination as determinants of earnings. Causes and measurement of inequality and social mobility. Macroeconomic view of labor market.

858. Collective Bargaining  
Fall, Winter, Spring. 3(3-0) EC 305 or approval of department. Open to graduate students in economics and related fields such as labor and industrial relations; political science, business, and history. Interdepartmental with and administered by the School of Labor and Industrial Relations.  
Problems and issues in the administration and negotiation of collective bargaining agreements; includes both economic and noneconomic aspects of industrial relations policies and practices.

862. Business and Public Policy  
Winter. 4(4-0) EC 903 or approval of department. Not open to majors.  

876. Statistical Inference in Economics I  
Fall. 3(3-0) EC 812A or EC 805A; STT 443 or STT 863; or approval of department. Interdepartmental with the departments of Agricultural Economics, and Statistics and Probability.  

877. Statistical Inference in Economics II  
Winter. 3(3-0) EC 876 or approval of department. Interdepartmental with the departments of Agricultural Economics, and Statistics and Probability.  

878. Statistical Inference in Economics III  
Spring. 3(3-0) EC 877 or approval of department. Interdepartmental with the departments of Agricultural Economics, and Statistics and Probability.  
Validation and application of dynamic econometric models. Bayesian approach to estimation problems. Recent developments in econometric methods and in applied econometric research.

900. Special Topics in Economic Theory  
Fall, Winter, Spring. 3(3-0) May reenroll for a maximum of 12 credits. EC 812C.  
Special topics in economic theory of current interest and importance.

911. Public Program Analysis  
Spring. 3(3-0) AEC 863, EC 805A, EC 805B; or approval of department. Interdepartmental with the departments of Agricultural Economics and Resource Development. Administered by the Department of Agricultural Economics.  
Policy aspects of nonmarket value estimation, shadow pricing, time preference, and risk analysis applied to systematic choice of agricultural, natural and human resource regulatory and public investment programs.

972. Methodological Approaches to Research  
Fall of even-numbered years, Summer of odd-numbered years. 3(3-0) Two terms of graduate study in sociological science or approval of department. Interdepartmental with and administered by the Department of Agricultural Economics.  
Selection, planning and conduct of research. Alternative research approaches. Role of theory, beliefs and values. Critical appraisal of research studies.
990C. Mathematical Economics and Econometrics Workshop
Fall, Winter, Spring, 3 to 16 credits. EC 812A, EC 852; or approval of department.
Interdepartmental with the Department of Agricultural Economics.
Critical evaluation of research reports by staff and students. Students writing doctoral dissertations in the appropriate areas are encouraged to enroll in the workshop.

990D. Economic Development Workshop
Fall, Winter, Spring, Summer, 3 to 16 credits. EC 850, EC 851, EC 852 or approval of department.
Critical evaluation of research reports by staff and students. Students writing doctoral dissertations in Development are encouraged to enroll in the workshop. Approval through Spring 1987.

999. Doctoral Dissertation Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

EDUCATION
See Counseling, Educational Psychology and Special Education; Educational Administration, Health Education, Counseling Psychology, and Human Performance; and Teacher Education.

EDUCATIONAL ADMINISTRATION EAD
(Name changed effective July 1, 1984. Formerly department of Administration and Curriculum.)

College of Education

415. Student Leadership Training
(ED 415., EAC 415.) Fall, Winter, Spring. 2(0-4) May reenroll for a maximum of 4 credits if different topic is taken. Approval of instructor.
Prepares students for leadership roles and responsibilities by encouraging the development of skills and techniques consistent with the principles of our democratic society.

433. Alcohol: A Social Dilemma
(ED 433., EAC 433.) Winter. 3(0-0)
Juniors or approval of department. Interdepartmental with and administered by the School of Criminal Justice.

505A. Educational Development Planning: Basic Concepts
(ED 587., EAC 850A.) Winter. 3(0-0)
Approval of department.
Basic concepts of economic, social and political development are studied as they place demands upon educational planners to cope with them. The distribution of development benefits is stressed.

505B. Educational Planning and National Development
(ED 880., EAC 805B.) Spring. 3(3-0)
EAD 800A.
Formulation of educational development strategies and plans to deal with crucial national and community development problems facing particular attention to meeting the special needs of audiences with special problems.

505C. Higher Education in Developing Countries
Fall. 3(3-0) Approval of department.
National and international development roles of higher educational institutions and personnel. Major focus on science and the appropriate technology for applying scientific knowledge to developmental problems in specific socio-cultural settings.

805. Education Through Cooperative Extension
Winter. 3(3-0) AEE 828 or EAD 860 or approval of department. Interdepartmental with and administered by the Department of Agricultural Extension Education.
Cooperative extension programs in the United States with emphasis on Michigan model: philosophy, history, scope, organizational structure, programs and methods.

810. Evaluating School Effectiveness
Winter. 3(3-0) ECE 808 or approval of instructor. Interdepartmental with and administered by the Department of Counseling, Educational Psychology and Special Education.
Approaches to evaluating school effectiveness. Recent research on school effectiveness. Alternative strategies for measuring student achievement and school characteristics.

816E. Instructional Simulation
(ED 825., EAC 816E.) Fall, Summer. 3(2-2) Teaching experience. Interdepartmental with and administered by the Department of Teacher Education.
Design and use of simulations and instructional games in the curriculum for development of social skills, values and afflicts.

816J. Studies in Nonformal Education
(EAD 816J.) Summer. 4(3-0) Approval of department.
International invitational workshop for specialists, project planners, staff trainers and practitioners. Worldwide selection of contemporary case studies of nonformal education. Focus is on out-of-school education for development.

816K. Curriculum for Nonformal Education
(ED 823., EAC 816K.) Winter. 3(3-0) T E 810A, T E 810C or EAD 860.
Principles of curriculum related to non-formal education programs. Consideration of various fields of out-of-school education and training associated with community level rural and urban human resource development.

839. African Research
(IDC 835., EAC 839.) Fall, Winter. 2 to 4 credits. May reenroll for a maximum of 8 credits. Graduate standing or approval of instructor. Interdepartmental with African Languages and the department of History, Political Science, and Sociology. Administered by the Department of African Studies.
African-related archival and field research topics and methodologies viewed from perspective of relevant social science and humanistic disciplines associated with the African Studies Center.

850. The Teacher and Administrative Leadership
(ED 850., EAC 850.) Winter, Summer. 3(3-0) Twelve credits in Education and approval of department.
Not intended for school administration majors. Theory and practice underlying administration of schools in a democratic society. Intended for educational personnel seeking basic information in such areas as educational organization, roles of administrative leadership in schools and communities, and teacher's roles in administration.

51A. Foundations of Administration: Theory and Organization
(ED 851A., EAC 851A.) Fall, Winter, Summer. 3(3-0) Approval of department.
Emphasizes basic administrative theory and research, focuses on current practice and emerging trends in such problems as personnel, plant, finance, community school programs, and instructional improvement. Intended primarily for persons actively preparing for administrative positions in schools and other educational agencies.

51B. Foundations of Administration: Practice and Problems
(ED 851B., EAC 851B.) Winter, Spring, Summer. 3(3-0) EAD 851A or approval of department.
Emphasizes basic administrative theory and research, focuses on current practice and emerging trends in such problems as personnel, plant, finance, community school programs, and instructional improvement. Intended primarily for persons actively preparing for administrative positions in schools and other educational agencies.

52A. Administration of Educational Institutions: Elementary School Administration
(ED 852A., EAC 852A.) Winter, Summer. 3(3-0) Twelve graduate credits in Education including EAD 851A, EAD 851B or approval of department.
Exploration of the nature and scope of responsibilities of areas in educational administration. Designed to serve as an initial application of administrative theory for those aspiring to one of the several areas.

52B. Administration of Educational Institutions: Secondary School Administration
(ED 852B., EAC 852B.) Fall, Winter, Spring, Summer. 3(3-0) Twelve graduate credits in Education including EAD 851A, EAD 851B or approval of department.
Exploration of the nature and scope of responsibilities of areas in educational administration. Designed to serve as an initial application of administrative theory for those aspiring to one of the several areas.

52C. Administration of Educational Institutions: Instructional Supervision
(ED 852C., EAC 852C.) Fall, Winter, Spring, Summer. 3(3-0) Twelve graduate credits in Education including EAD 851A, EAD 851B or approval of department.
Exploration of the nature and scope of responsibilities of areas in educational administration. Designed to serve as an initial application of administrative theory for those aspiring to one of the several areas.