542. Social Work Practice III  
Spring. 3(3-0) 841; 812 and 837 concurrently.  
Continuation of 841. Selection, implementation and evaluation of models of intervention to stabilize, develop and enhance social functioning.

555. Dynamics of Group Process  
Winter. 3(3-0) Majors or approval of school.  
Theoretical aspects of group behavior. Analysis of structure, norms, leadership and communication patterns in groups. Application to social work systems.

560. Community Organization I  
Spring. 3(3-0) Majors or approval of school.  
Introduction to community social work. Community structure, function, decision making. Community organization method, change processes, practice settings. Client systems, practitioner roles and functions.

561. Community Organization II  
Fall. 3(3-0) 860; 865 concurrently.  
Continuation of 860. Emphasis on inter-group relations, community development, and analysis of student practice. Problem-solving structures; social conflict and social consensus in community problem-solving.

562. Community Organization III  
Spring. 3(3-0) 861; approval of school. 867 concurrently.  
Continuation of 861. Problem-solving methods and techniques in community action and planning. Social action, social legislation. Analysis of practice settings: urban renewal, neighborhood, central planning, governmental agencies, etc.

565. Advanced Social Work Practice I  
Fall. 3(3-0) 880. 865 concurrently.  
Deepening of knowledge and skill; continuing development of differential modes of intervention. Classroom and practicum components.

566. Advanced Social Work Practice II  
Fall. 3(3-0) 865. 880 concurrently.  
Continuation of 865. Increased opportunity for innovative and creative experimentation. Continuing growth of ability to assume independent professional responsibility. Classroom and practicum components.

567. Advanced Social Work Practice III  
Fall. 3(3-0) 866; approval of school.  
Continuation of 866. Opportunities for varied experiences related to readiness for professional practice. Classroom and practicum components.

568. Advanced Social Work Practice Issues  
Fall, Winter, Spring. 5 credits. 882; approval of school.  
Continuing opportunity for development, integration and reinforcement of professional competence. Further testing of skills relevant to emerging conditions of social work practice. Classroom and practicum components.

570. Social Work Administration  
Spring. 4 credits. Second-year social work graduate students; approval of school.  

574. Social Work Consultation  
Winter. 4 credits. Second-year social work graduate students; approval of school.  
Consultation as a problem-solving process in social work. Emphasis on role relationships, types of consultation, and intervention models. Differentiation from client treatment, psychotherapy, supervision and collaboration. Integral practicum component.

575. Research in Social Welfare I  
Fall. 3(3-0) Second-year social work graduate students.  
Consideration of issues related to the logic and methods of scientific verification. Emphasizes the systematic analysis of research strategies pertinent to social welfare research.

576. Research in Social Welfare II  
Winter. 3(3-0) 875.  
Application of statistical concepts and techniques to the analysis and evaluation of research data. Interpretation of statistical results and criteria for employing given statistical techniques in various situations are discussed.

581. Social Work in Special Settings  
Fall, Winter, Spring, Summer. 3(3-0) 890.  
May re-enroll for a maximum of 6 credits with approval of school. Majors or approval of school.  
Social work concepts, methods and program development in selected settings such as school, medical, psychiatric, correctional, family, or child welfare. Significance of organizational arrangements for social work practice.

582. Seminars in Social Work  
Fall, Winter, Spring, Summer. 3(3-0) 895.  
Majors or approval of school.  
May re-enroll for a maximum of 12 credits. Approval of school.  
Seminar on selected issues, trends, programs or methods in social work.

585. General Seminar  
Spring. 3(3-0) 899.  
Majors.  
Current issues and trends in the development of social work as a profession. Students participate in selection of topics to be considered.

590. Special Problems in Theory and Practice  
Fall, Winter, Spring. 3(3-0) 894.  
Majors or approval of school.  
May re-enroll for a maximum of 12 credits.  
Individual or group study of special settings or of specific social work problems.

593. Social Gerontology  
Fall. 3(3-0) 893.  
Approval of school.  
Aging and years of later maturity, with respect to social and personal difficulties and opportunities. Aging process, retirement, life transitions, social relationships, community resources, and implications for social welfare.

599. Research  
Fall, Winter, Spring. 3(3-0) 899. Second-year social work graduate students.  
Variable credit.

599. Independent Study in Social Work  
Fall, Winter, Spring, Summer. 3(3-0) 895.  
Majors or approval of school.  
May re-enroll for a maximum of 12 credits. Approval of school.  
Individual study of a theoretical or applied problem in social work.

599. Seminar in Social Work  
Spring. 3(3-0) 896.  
Multidisciplinary social science doctoral student.  
Critical study of current issues and problems in social work. Students participate in selection of topics to be considered.

SOCIOLGY  
SOC  
College of Human Medicine  
College of Osteopathic Medicine  
College of Social Science

160. Contemporary Social Problems  
Fall. 3(3-0) 890.  
Identification of the factors and issues involved in mankind's fight for survival in our technological society. Relationship of humanism and technology. Examination of and suggestions for dealing with problems of warfare, cybernation, human rights.

241. Introduction to Sociology  
Fall, Winter, Spring, Summer. 4(4-0) 899.  
Sophomores.  
Introduction to nature of sociological inquiry and to concepts and principles of sociology. Analysis focuses on institutional features of modern society and of structure and dynamics of social organization.

335. Criminology  
Spring. 3(3-0) 895.  
Cultural nature, origin and development of crime; trends in criminal psychology and sociological factors involved in criminal behavior. Current programs for treatment and prevention.

351. Social Psychology  
Fall, Winter, Spring, Summer. 5(4-0) 899.  
241. Students may not receive credit in both 351 and PSY 335.  
Social psychology from a sociological perspective. Relation of the individual to his social environment with special reference to group process and interaction, social structure and personality, mass phenomena, and social attitudes.

359. The Sociology of Mass Communication  
Winter of odd-numbered years. 3(3-0) 899.  
A social-psychological analysis of the role of radio, the press, movies, magazines and television in modern society. An examination of the selective audiences, content characteristics, controlling elements, and organizational structures of the various media of mass communication. The impact of the media will be examined in such diverse areas as family relationships, advertising, religion, recreational patterns.

399. Survey of Sub-Saharan Africa.  
For course description, see interdisciplinary Courses.
Descriptions — Sociology of Courses

391. Survey of Subsaharan Africa
   Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 20 credits. Approval of department.

400H. Honors Work
   Fall, Winter, Spring, Summer. 3(3-0) 241. Interdepartmental with Education.

401. Sociology of Education
   Winter, Summer. 3(3-0) 241. Interdepartmental with Education. School and social institution, school-community relations, social control of education, and structure of school society.

420. Dynamics of Population
   Spring. 4(4-0) 241. General demographic theories, especially those concerning population growth. Population distribution and density, age, sex, and ethnic composition. Emphasis on fertility, mortality, and migration and their influences on population change.

421. Industrial Sociology
   Winter, Spring. 3(3-0) 241. Industrialization in Western and non-Western societies; social organization of work; internal dynamics of work plant as a social system; and labor-management relations in various cultural settings.

422. Political Sociology
   Fall. 4(3-0) 241. Political action in the United States in relation to theory and practice of democracy. Nature of social pressures, political group, politician and effect of local community situation on political activity will be considered.

423. Sociology of the Family
   Winter. 3(3-0) 241. Sociological analysis of the family, its development as a social institution, its relationship to society, and its contribution to personality.

424. Sociology in Mental Health
   Spring. 3(3-0) 351 or PSY 351. Sociological theories of etiology of mental disorders; research on social epidemiology and ecology; impact of social structure; popular concepts of mental health and deviancy; emerging ideologies of mental health disciplines.

428. Contemporary Communities
   Winter, Summer. 4(3-0) 241. An examination of the contemporary community. Emphasis will be placed on associational and institutional organization in communities of varying complexity. Particular attention will be paid to social organizational theory as it applies to the problems of American community life.

429. Urban Sociology
   Fall, Winter, Spring. 4(4-0) 241. Urban theory and research techniques emphasizing the demography, ecology and social organization of American cities and sociological aspects of urban planning and redevelopment.

430. Sociology of Occupations and Professions
   Winter. 3(3-0) 241. Social significance of work. Forces changing contemporary occupational structure. Factors associated with typical career patterns of occupations and professions. Social organization of occupational groups with emphasis on their ideology and politics.

431. Comparative Urban Sociology
   Spring. 4(4-0) 249 or approval of department. Urban demography, ecology, and social organization viewed historically and cross-culturally and emphasizing the contemporary urbanization processes. Theory, techniques, and data of inter-national comparative urban analysis.

432. Behavior of Youth
   Fall, Winter, Spring. 3(3-0) 241 or 351. Sociological analysis of normal and deviant behavior of youth. Issues related to the existence of youth subcultures. Relation of social change to behavior of youth.

433. Minority Peoples
   Winter, Spring, Summer. 4(3-0) 241. Sociology of majority-minority relations in contemporary, particularly American society. Attention to specific ethnic, religious, and racial minorities in terms of prejudice and discrimination, with particular concern for minority status of the American Negro.

434. Social Deviance and Control
   Spring. 3(3-0) 335 and one of the following: 100, 432, or CJ 355 or approval of department. The relationship between social structure, social control and social deviance, a survey and criticism of present social science theories in light of empirical research and application of theories to selected problem areas.

435. Rural Sociology
   Fall, Spring, Summer. 4(4-0) 241 or approval of department. Structure, function, and change in rural areas of the United States. The major social systems, social class, demographic characteristics, commodity organizations and value orientations of rural people.

436. Sociology of Developing Societies
   Winter. 4(4-0) 241. Sociological elements of modernization. Process of technological change and type of programs to induce change. Emergence and accommodation of institutions to change. The changing population, family, community and ideological structure.

440. Sociology of Religion
   Spring. 3(3-0) 241. Relationship to society, with particular emphasis on modern society. Religion as a social institution; its relation to stratification and to political and economic organizations. Forms of religious organizations. Religious beliefs and the rational, empirical orientation in modern culture.

443. Personality and Social Structure
   Spring. 4(3-0) 351. Effects of social structural variables upon personality development, adult socialization, role behavior, self image, and self evaluation.

445. Social Knowledge in the Modern World
   Winter. 4(3-0) 241. A sociological examination of the continuing effort to achieve a viable basis for relating social knowledge to the modern world. The sociology of knowledge, concerned with the relation of ideas to social life will provide the framework for the course. Attention will be given to such topics as the role of the intellectual as cultural and political critic, and as man of knowledge: the relation of empirical knowledge to cultural values and social ideologies; the uses of reason and knowledge in human affairs; and the relation of intellect to power.

448. Small Group Interaction
   Winter. 4(3-0) 351 or PSY 355. Properties of social interaction in small groups. Relationship between group structure and social interaction.

451. Public Opinion and Propaganda
   Fall, Spring. 3(3-0) 241. The nature of public opinion, its development and change, its measurement. The nature of propaganda, principles of persuasion, and methods of analysis.

452. Collective Behavior
   Fall, Spring. 4(3-0) 241. Basic forms of collective behavior—crowds, mobs, and social movements. In terms of their institutional and social psychological consequences. Social movements and fashions within-in same general framework. Emphasis on personal and social significance of mass society.

466. Cross-Cultural Relations in the Modern World
   Winter of even-numbered years. 3(3-0) 241. The nature of cross-cultural relations between world-wide forces and reactions of native peoples to world struggle for power. Problems involved in administration of programs for non-Western societies.

471. Modern American Society
   Winter, Spring, Summer. 4(3-0) 241. Cultural patterns and social structures of contemporary American life. Relationship of these patterns and structures to individual and group adjustment.

473. Culture and Personality
   Fall, Spring, Summer. 4(3-0) 241 or ANP 171. Interdepartmental with the Anthropology Department. Human nature in evolutionary and cross-cultural perspective. Special attention: relating theories of anthropology and psychology to methods of studying personality in non-Western societies.

475. Individual Research Projects
   Fall, Winter, Spring, Summer. 1 to 4 credits. May re-enroll for a maximum of 12 credits. Nine credits in sociology and approval of department.

477. Complex Organizations
   Fall. 4(4-0) 241 and 3 credits at the 300-400 level from the social science disciplines. Bureaucracies and complex formal organizations in various institutional settings and the relationship among organizations in the community. Informal structures, internal conflict, integrative mechanisms, and the dilemma of professionals and administrative demands will be emphasized.

484. Social Stratification
   Winter. 4(4-0) 241. Survey of literature on the formation and changes in social class systems in modern and traditional societies. Social mobility in class, status and political orders.

485. Wealth and Poverty
   Winter. 4(4-0) 241. Distribution of income and wealth in contemporary industrial societies; relevance of wealth to prestige and political orders of societies; social consequences of public and private programs.
492. Introduction to Methods of Social Research
Fall, Spring. 5(3-2) Nine credits in sociology, STT 101.

Elements of scientific logic, procedures and problem formulation, development of concepts, hypotheses, theory, research design, sampling, measurement, data gathering, analysis, interpretation, and reporting research findings.

493. Selected Exercises in Social Research
Winter. 5(3-3) 492.

A laboratory course providing training in the application of social research methods, under laboratory and field situations, to problems in the major substantive areas of sociology, social psychology and anthropology.

494. Sociological Theory
Fall, Winter. 5(4-0) Eighteen credits in sociology.

Significant theoretical contributions to the development of sociological theory, both European and American.

499. Senior Seminar
Fall, Winter, Spring. 5(3-0) May re-enroll for a maximum of 12 credits. Senior majors or approval of department.

Selected issues in sociological research and theory.

803. Seminar in Industrial Relations
For course description, see Interdisciplinary Courses.

810. General Social Organization (977.) Fall, 4 credits. Majors or approval of department.

Research and literature on the structure and function of social organizations ranging from societies to small groups.

811. Research Problems and Literature in Social Psychology (963.) Fall, 4(4-0) Majors or approval of department.

Central points of view and concepts of contemporary social psychology with emphasis upon symbolic interaction. Collective behavior, small groups, attitudes and behavior, and culture and personality.

812. Theory of Sociological Inquiry (936.) Spring, 4(4-0) Majors or approval of department.

Critical review of some of the procedures followed by sociologists and social psychologists in their attempts to achieve reliable knowledge.

823. Organizational Behavior in Labor and Industrial Relations (Fall, 4(4-0) Approval of school. Interdepartmental with and administered by the School of Labor and Industrial Relations.

Analysis of why organizations, individuals and groups in unions, management and government act as they do in industrial relations situations with emphasis on sociological, psychological and cultural factors.

825. Seminar in Cross-Cultural Relations
Problem Winter of odd-numbered years. 4(3-0) Approval of department. Interdepartmental with the Anthropology Department.

Analysis of the relations between superordinate and subordinate societies and between coordinate societies and cross-cultural exchange programs.

827. Social Movements and Ideologies
Spring, 3(3-0) Approval of department.

Organizational structure and supporting belief systems of groups and collectivities which desire major institutional changes in society.

837. Special Topics in Rural Sociology
Fall, Winter, Spring. 3 to 8 credits. Approval of department.

Special fields of rural sociology such as farmers' organizations, population, migration, adoption of practices, changing ideologies, political behavior, stratification, and attitudes.

838. Interdisciplinary Seminar on Africa
For course description, see Interdisciplinary Courses.

840. Violence and Social Change
Fall, 3(3-0) Approval of department.

Conditions of violence in situations of conflict and change, legitimation of violence, and response to violence by institutional elites and by publics.

842. Seminar in Conflict and Change
Winter, 3(3-0) Approval of department.

Overview of the theoretical and research literature in Conflict and Change; and explores possibilities for student research and involvement in the area.

853. Social Attitudes
Spring, 4(4-0) Approval of department.

Origin, development, classification, and measurement. Relationship between attitudes and behavior. Students will conduct field research.

859. Social Statistics and Research: Seminar
Fall, Winter, Spring. 4(4-0) May re-enroll for a maximum of 12 credits. 492 a statistics course.

Applications of probability and statistical models to social research.

862. Industry and Community
Spring, 4(4-0) 421, approval of department.

Seminar analyzing the research literature and theoretical developments in the sociology of industry and community.

Winter. Variable credit. Approval of department.

Theoretical and substantive literature relating to demographic change, and research problems of special interest.

866. Selected Research and Literature in Social Institutions
Fall, Winter, Spring, Variable credit. May re-enroll with approval of department.

A review and analysis of the significant literature concerning major problems in the institutional structure of modern society. A. Economic and Industrial; B. Political; C. Religious; D. Family.

885. Social Organization and Administration
Fall, Spring. 3(3-0) Approval of department.

General principles of inter and intra organizational change in the administrative process.

872. Seminar in Special Subject Fields
Fall, Winter, Spring. Variable credit. Approval of department.

Special fields of study will include any area of sociology and social psychology selected.

875. Individual Research Projects
Fall, Winter, Spring, Summer. Variable credits. Approval of department.

877. Seminar in Complex Organizations
Winter, 4(4-0) 421 or 477 or approval of department.

Major theoretical and methodological problems in studying complex organizations. Using a comparative approach, special emphasis will be given to the design and execution of empirical research.

880. Individual Readings
Fall, Winter, Spring, Summer. Variable credits. Approval of department.

884. Seminar in Social Stratification
Spring, 3(3-0) Approval of department.

Theory and research in societal systems of stratification. The articulation of stratification orders to institutional structures. Research design in stratification studies.

885. The Sociology of Mass Communication
Winter, 4(3-0) Approval of department.

Seminar on social-psychological aspects of mass communication in relation to cultural values and social control and the impact of mass media in a variety of social groups and institutions.

895. Computer Simulation of Social Behavior
Winter, 4(3-2) Approval of department.

Survey of research in the simulation of human behavior. Training in the basic technological and conceptual tools necessary for independent research in the area. Working in detail through an operating large simulation program to appreciate how the tools apply in practice. Designing and writing a simulation program.

909. Research
Fall, Winter, Spring, Summer. Variable credit. Approval of department.

901D. Educational Sociology: Seminar
Fall, Winter, Spring. Variable credit. Approval of department. Interdepartmental with Education.

930. Sociology of Work
Spring, 4(4-0) 430, 484 or approval of instructor.

Theory and research problems in occupational structure, work settings, functions and meanings of work, occupational mobility and career patterns.

940. Topics in Mathematical Sociology
Fall, Winter, Spring, 5(3-0) Approval of department.

Seminar in the mathematical analysis of selected topics in sociology, such as, Kinship systems, stratification systems, formal organization, social mobility, population and migration, social influence, mass behavior.

941. Human Ecology
Fall, 4(4-0) Approval of department.

The analysis of population aggregates in terms of their place in a total ecosystem, defined as the structure of interdependencies involving population, environment, technology, and patterns of organization.
942. Sociology
Winter: 4(4-0) 941; 812 and 967 recommended.
Examination and critique of competing theories of urban structure and process; theories of evolution of human settlement, classic location theories, human ecology, communication and system theories.

943. Seminar in Urban Sociology
Spring: 4(4-0) 943.
Presentation and critique of theory and research in human ecology and urban sociology with emphasis on student papers and research designs.

952. Techniques of Population Analysis
Spring: 4(3-1) 420; STT 422; or approval of department.
Techniques for the analysis of population size and composition, mortality, fertility, migration, population estimates and forecasts, population and labor force distribution, and selected techniques of ecological analysis.

953. Experimental Methods
Winter: 4(3-3) 860.
The design and analysis of social experiments, with special emphasis on laboratory investigation of social processes.

954. Social Survey Methods
Spring: 4(4-0) 860.
The design and analysis of theoretically oriented survey research. Sampling, questionnaire construction, interviewing, and data processing.

955. Field Research Methods
Spring: 4 credits. 492; or approval of department.
An overview of the design and execution of social research.

964. Seminar in Small Group Research
Fall: 3 to 5 credits. Thirty graduate credits including 811, or approval of department.
The experimental and theoretical investigation of organizational processes in small groups.

966. Social Structure and Personality
Winter: 3 credits. 811 or approval of department.
Theoretical and research problems in analysis of influence of social positions on personality, and influence of personality and social factors in allocating persons to different social positions. Stress will be placed upon quantitative research and contemporary theories of social structure and personality.

977. Introduction to Formal Theory in Sociology
Spring: Variable credit. 986.
Analysis of the structure of formal theory in sociology and of the problems of interpretation and verification of deterministic and probabilistic theories. Examination of specific practices of theory construction.

988. Symbolic Interactionism: Theory and Research
Spring: 1 to 4 credits. 811; social psychology concentration.
Theoretical and research problems within the framework of symbolic interaction. The socialization process and the development, maintenance, and enhancement of the self. Critique of the literature and proposals for new research directions.

970. Theories of Conflict and Change
Fall: 3(3-0) Approval of department.
Major theoretical and American contributions to the study of conflict and change.

971. Race, Politics, and Social Structure
Winter: 3(3-0) Approval of department.
Racism, including the social mechanisms by which it is created, maintained, and lessened, and the various forms of political action related to racism and social structure.

972. War and International Conflict
Spring: 3(3-0) Approval of department.
Causes, structure and patterns of wars between societies, revolutions within societies and the relation of war and revolution to cross-cultural conflict and change.

973. Values, Cries and Utopias in a Post-Modern Society
Fall: 3(3-0) Approval of department.
Macro-sociological approach to study of social problems and stresses; planned change; and conscious improvement of modern societies.

976. Contemporary Social Systems
Winter: 4 credits. 494 or approval of department.
Comparison and analyses of concepts, conceptual schemes and theories of outstanding social theorists in relation to modern research.

979. Comparative Rural Social Organization
Spring: 4 credits.
Structure and function of social organizations ranging from societies to small groups. The comparative approach will be used in studying phenomena involved in the transitions from agrarian to industrial societies.

981. Comparative Sociology
Fall: 3 or 4 credits. Doctoral student in sociology; completion of core courses.
Macro-sociological studies of societies. The relationship of the whole to the varied parts of societies, the connection between societies, and the patterns of change in different societies. The development of research with respect to the cross-cultural study of social structures, social institutions, and social systems.

982. Comparative Social Psychology
Winter: 3 or 4 credits. 981.
Social psychological research problems involving a comparative methodology. Social psychological functions of education, mobility, mass media use, etc. Comparative study of the social psychology of modernization.

983. Comparative Research Methods
Spring: 3 or 4 credits. 981.
Sampling problems, data collection strategies, problems of translation and concept equivalence. Management, analysis and interpretation of cross-cultural data.

991. Research Seminar in Work and Organization
Fall, Winter, Spring. 3(2-0) May re-enroll for a maximum of 6 credits. Thirty graduate credits and approval of instructor. An advanced seminar devoted to analysis of designs used in current research in work and organization.

999. Research
Fall, Winter, Spring, Summer. Variable credits. Approval of department.

SOIL SCIENCE

302. Soils and Man's Environment
Winter: 3(3-0) Interdepartmental with Fisheries and Wildlife and Resources Development Department and Natural Resources.
Use of soil-water resources in a technological society as it relates to environmental quality. Nature of pollution problems and their possible solutions. Food production and world population.

210. Fundamentals of Soil Science
Fall, Winter. 5 credits.
Principles of the origin and development of soils. Relationship of properties to utilization and soil fertility to plant composition and animal health. Emphasis is placed on changing soils to serve man.

311. Soil Management
Winter: 4(4-0) 210.
Management of soils, drainage and irrigation, organic matter, tillage, rotation, conservation practices, soil reaction, lime, fertilizers, and micronutrients. Soil management vs. soil conservation. Special study in general crops, horticultural crops, greenhouse crops, turf and organics soils.

390. Soil Conservation and Land Use
Spring: 3(3-0) 210.
Soil resources of the United States and methods and plans for soil conservation including control of erosion. Interpretation of soil survey maps and land evaluation for farm crops, fruits, forestry, engineering and wildlife. Soil judging.

410. Special Soil Problems
Fall, Winter, Spring, Summer. 1 to 3 credits. May re-enroll for a maximum of 5 credits. Approval of department.

420. Seminar
Winter: 1(1-0). May re-enroll for a maximum of 4 credits. Interdepartmental and administered jointly with Crop Science.

424. Forest Soils
Spring: 4(3-3) 210; FOR 220. Interdepartmental with and administered by the Forestry Department.
Interrelationships of forest sites and the growth of forests. Classification and productivity of forest soils. Effects of silvicultural and forest management practices on the soil. Two-day field trip required.

430. Soil Fertility and Fertilizers
Spring: 3(4-1) 210.
Assessment of the fertility of soils and alteration of fertility by the use of fertilizers, lime, manure, and cropping systems. The role of colloids in fixation and exchange. Soil and tissue tests. The history, technology, and use of fertilizers.

442. Soil Microbiology
(481.) Spring: 4(3-2) MPH 200; 301 or 401. Interdepartmental with and administered by the Microbiology and Public Health Department.
Major groups of microorganisms in importance in soils are studied with emphasis on ecological, biochemical, and physical aspects.

470. Soil Classification and Mapping
Fall, Spring. Fundamental soils. Even-numbered years. 4(0-2) 210 or approval of department. Classification of soils. Interpretation of profiles in relation to land utilization for farm crops,