SOC 101 INTRODUCTORY SOCIOLOGY. (3)
Introduction to the concepts and methods of sociology. Investigation of sociization, group processes, social institutions and social change. Student may not receive credit for both this course and GEN 102.

SOC 151 SOCIAL INTERACTION. (3)
Explores the fundamental sociological and social psychological processes underlying human interaction. Focuses on the dynamics of symbolic exchange, the social context and processes shaping it, and examines its effects in the formation and maintenance of social and personality systems. Prereq: SOC 101 or PSY 100 or PY 110 or equivalent social science background.

SOC 152 MODERN SOCIAL PROBLEMS. (3)
An introductory course involving an examination of selected social problems of the day. Topics may include family, poverty, education, crime, race, housing, population, health care, industrial development, and power. Prereq: SOC 101 or SOC 151 or equivalent social science background.

SOC 220 THE COMMUNITY. (3)
Social organization and process in modern communities; social techniques of community improvement. Prereq: Three hours or equivalent social science background.

SOC 235 INEQUALITY IN SOCIETY. (3)
Analysis of the nature, development, and persistence of inequality in various societies. Diverse dimensions of inequality are viewed as the basis for a number of specific social problems in Western and non-Western societies. Social origins of inequality are emphasized. Policy implications are addressed. Prereq: Three hours of sociology or equivalent social science background.

SOC 249 MASS MEDIA AND MASS CULTURE. (3)
An examination of the interplay between the technology and content of the mass communications media and culture. Prereq: COM 101 or SOC 101 or its equivalent. (Same as COM 249.)

SOC 260 POPULATION, RESOURCES AND CHANGE. (3)
The interrelationships among population variables (size, composition, change), social systems, and environmental conditions will be explored from an issue or problems approach. The tools of population studies will be introduced and used to examine how population influences society and mankind's use of the environment. Prereq: Three hours of sociology or equivalent social science background.

SOC 302 SOCIOLOGICAL RESEARCH METHODS I. (3)
Introduction to the research methods as applied to sociological problems. Issues addressed include theory construction, conceptualization, measurements, data presentation, and problems of analysis. Required for majors. Prereq: The introductory level sociology course or GEN 102.

SOC 303 SOCIOLOGICAL RESEARCH METHODS II. (3)
Research methods and designs used in sociology. Sociological problems will be analyzed through readings, discussion, use of measurement and analytical procedures, and projects or field work. Required for majors. Prereq: SOC 302 or consent of instructor.

SOC 335 WOMEN AND MEN IN SOCIETY. (3)
A sociological study of the sexual division of society with special emphasis on social, structural, and cultural influences. Prereq: SOC 101 or WS 200 or permission of instructor.

SOC 340 SOCIOLOGY OF U.S. AGRICULTURE. (3)
A survey of the issues, methodology, and theory related to the sociology of U.S. agriculture. Topics include agrarian social movements, agricultural science and technology, comparative commodity systems, environmental issues and the role of gender in agricultural production. Prereq: Six hours of social science or consent of instructor.

SOC 342 ORGANIZATIONS IN SOCIETY. (3)
The roles of formal organizations including bureaucratic structures in society are examined with special attention given to linkages to contemporary social conditions. Relationships among such organizations and basic internal organizational processes are also studied. Prereq: Six hours of social science or consent of instructor.

SOC 350 TOPICS IN SOCIOLOGY. (3)
Discussion, readings, and papers focusing on topics in sociology. Directed by a staff member having specific competence in the topics under study. Current research developments in particular sociological subfields will be stressed. May be repeated to a maximum of nine credits. Prereq: Six hours of social science or consent of instructor.

SOC 354 THE FAMILY IN CROSS-CULTURAL PERSPECTIVE. (3)
This course approaches the study of the family from a comparative perspective, emphasizing cross-cultural variability in the structure and function of family. Kinship, household formation, sex roles, and socialization are examined in the context of the family, as well as patterns of interaction, personality formation, and family pathology. Prereq: Introductory social science course. (Same as ANT/FAM/SW 354.)

SOC 380 DEVELOPMENT OF NON-WESTERN SOCIETIES. (3)
An introduction to the sociological study of the development process in non-Western societies. Primary focus is placed on the social, structural, cultural, ecological and demographic factors that differentiate the development of non-Western from Western societies. Prereq: Six hours in social sciences.

SOC 395 INDEPENDENT WORK. (1-3)
Study of some special topic by duly authorized students. May be repeated to a maximum of four credits. Prereq: Major or minor, a standing of 3.0 in the department, and learning contract filed with department chair.

SOC 399 FIELD BASED/COMMUNITY BASED EDUCATION. (1-15)
A community-based or field-based experience in sociology under the supervision of a faculty member. May be repeated to a maximum of 15 credits. Pass-fail only. Prereq: Consent of instructor and department chairperson; completion of departmental learning agreement.

SOC 409 THE FAMILY. (3)
A study of the institutions of marriage and the family and an analysis of the various factors and forces at work in our time which are affecting the individual marital relationships. Prereq: Six hours of social science or consent of instructor.

SOC 418 SOCIAL CHANGE. (3)
A sociological analysis of the sources, processes and consequences of social change. Prereq: Six hours of social science or consent of instructor.

SOC 420 COMMUNITY ANALYSIS. (3)
A study of communal structure and processes with special emphasis on strategies of field investigation of particular communities. Prereq: Six hours of social science or consent of instructor.

SOC 434 SOCIAL CLASSES. (3)
A systematic treatment of the factors underlying social differentiation and stratification, with particular attention to class and caste; social mobility in American society. Prereq: SOC 101 or consent of instructor.

SOC 435 POWER AND POLITICS IN SOCIETY. (3)
Course examines social antecedents and consequences of the distribution of power in society, the institutions in which power is pursued and exercised and the way in which the political arena relates to other institutions. Prereq: Six hours of social science or consent of instructor.

SOC 436 SOCIOLOGY OF DEVIAN'T BEHAVIOR. (3)
A systematic examination of the various types of social disorganization with particular emphasis upon the sociological explanation of underlying factors. Prereq: Six hours of social science or consent of instructor.

SOC 437 CRIMINOLOGY. (3)
A study of general conditions as to crime and delinquency, of measures of punishment and reform of offenders, of criminal procedure and its possible reform and of measures for the prevention of crime. Prereq: Six hours of social science or consent of instructor.

SOC 438 JUVENILE DELINQUENCY. (3)
Studies of the extent, ecological distribution, and cause of delinquency in contemporary American society, including a critical examination of trends and methods of treatment. Prereq: Six hours of social science or consent of instructor.

SOC 439 SPECIAL TOPICS IN CRIME AND DELINQUENCY (Subtitle required). (3)
An analysis of issues and problems central to the study of crime, deviance, and social control in society. Topics may include the analysis of law and society, organized crime, the professional criminal, corrections, or substance abuse. May be repeated once for credit under different subtitle. Prereq: Introductory level sociology course plus one of the following: SOC 436, SOC 437, SOC 438G or consent of instructor.
SOC 442G TOPICS IN WORK AND SOCIETY (Subtitle required). (3)
An analysis of major occupational categories and their relationships to technological, organizational, and societal conditions. Topics may include studies of worker and societal attitudes toward work, problems in occupational mobility and status attainment, alternatives to work in bureaucratic settings, labor-management relations, or the professionalization of the work force. May be repeated once for credit under a different subtitle. Prereq: Six hours of social science or consent of instructor.

SOC 444G SOCIAL PSYCHOLOGY. (3)
Theoretical and empirical analysis of individual behavior in the social setting with particular emphasis on social learning, motivation, and the measurement, formation, and changing of social attitudes. Prereq: The introductory level sociology course or GEN 102. (Same as PSY 444G.)

SOC 449 SOCIAL PROCESSES AND EFFECTS OF MASS COMMUNICATION. (3)
The relationship between the organization of modern society and its communication media. Special emphasis is given the way in which cultural processes and social change have an impact upon the mass media, and upon the way in which the mass media influence cultural processes and social change. The social-psychological bases of communication are studied within a context of theory and research. Prereq: SOC/COM 249 or its equivalent. (Same as COM/EDC 449.)

SOC 451G FOUNDATIONS OF SOCIOLOGICAL THEORY. (3)
A survey of the development of scientific and humanistic theories in the study of human social interaction and society from The Enlightenment to the present. Works of theorists such as Durkheim, Marx, Weber, and Mead will be considered. Emphasis is on the growth of sociology as a discipline. Required for majors. Prereq: Six hours of social science or consent of instructor.

SOC 452G CONTEMPORARY SOCIAL THEORY. (3)
A survey and analysis of the major schools of contemporary sociological theory. Works of major theorists are included. Emphasis is on the conceptual structure of the different theories and the way in which they are applied in contemporary sociological analysis. Prereq: SOC 451G.

SOC 460 AMERICAN POPULATION. (3)
The study of fertility, mortality and migration as related to population size, growth and distribution, and how population dynamics are related to social status, the family, family planning, urbanization, environment, and policy issues. Prereq: SOC 101 or SOC 260 or consent of instructor.

SOC 499 TOPICAL SENIOR SEMINAR (Subtitle required). (3)
Course is especially designed for seniors. Readings, discussions and papers will focus on current research dealing with selected issues of significance in American society. May be repeated to a maximum of six credits under different subtitles. Prereq: Consent of instructor, senior standing, and one introductory level sociology course.

SOC 501 POPULATION ANALYSIS. (3)
Distribution and composition, fertility and mortality, migration, ecological relationships and growth of population. Prereq: Six hours of social science or consent of instructor.

SOC 509 THE U.S. FAMILY IN HISTORICAL PERSPECTIVE. (3)
A study of American family experience and values from its preindustrial Anglo-European roots to the present. Using an interdisciplinary focus, the course will examine the shifting boundary between family and community and the interaction between domestic life and demographic, religious, and economic influences in American history. Prereq: FAM 353 or SOC 409 or equivalent, or consent of instructor. (Same as FAM 509, HIS 596.)

SOC 517 RURAL SOCIOLOGY. (3)
Systematic study of the structure and function of family, informal and locality groups, social strata, religious, educational, political and occupational groups in rural society. Prereq: Six hours of social science or consent of instructor.

SOC 525 RELIGION, SOCIETY AND CULTURE. (3)
An analysis of the structure, function, and process of religion in its societal and cultural context. Major emphasis is placed on the interaction between religious organizations and the societies in which they operate. Prereq: Six hours of social science or consent of instructor.

SOC 527 SOCIETY AND HEALTH. (3)
The study of human behavior in illness and of medicine as a complex form of social organization from historical, cross-cultural and contemporary perspectives. Prereq: Consent of instructor. (Same as BSC 527.)

SOC 528 DIMENSIONS OF AGING. (3)
Analysis of demographic and institutional patterns, social roles, psychological and physiological changes, and rehabilitative and educational programs associated with aging. Prereq: Upper division or graduate standing. (Same as PSY/ANT 528.)

SOC 532 RACE AND ETHNIC RELATIONS. (3)
Analysis of relationships between racial and ethnic groups and the behavioral products thereof. Sources and consequences of prejudice and discrimination. Situation and prospects of minorities. Strategies of change and tension reduction. Prereq: Six hours of social science or consent of instructor. (Same as EPE 532.)

SOC 533 SOCIAL ANTHROPOLOGY. (3)
History and theory of social anthropology with special emphasis on the comparative approach to analysis of structure, function, and change in social and cultural systems. Prereq: Six hours of social science or consent of instructor. (Same as ANT 533.)

SOC 534 THE SOUTHERN APPALACHIANS: A SOCIOLOGICAL INTERPRETATION. (3)
A sociological interpretation of the Southern Appalachians, emphasizing the great diversity—social, cultural, economic—in the various parts of this area by study of the major institutions, value orientations, and social and cultural changes affecting both the whole area and its sections. Prereq: Six hours of social science or consent of instructor. (Same as ANT 534.)

SOC 542 HUMAN RELATIONS IN ADMINISTRATION OF ORGANIZATIONS. (3)
Sociological and psychological analysis of social structure and environment, leadership, power, authority, decision making, communication, satisfaction, and stress in organizational and administrative activity. Prereq: Six hours of social science or consent of instructor.

SOC 546 SOCIAL FACTORS IN MENTAL HEALTH. (3)
The significance of social, psychological and cultural factors in the recognition and course of mental health problems; the organization of mental health services in society. Prereq: Consent of instructor. (Same as BSC 546.)

SOC 547 SOCIAL AND PSYCHOLOGICAL ASPECTS OF APPAREL. (3)
An advanced study of the social, psychological factors which influence apparel use with particular emphasis on research. Prereq: HET 247 for majors only. Non-majors: three hours in sociology or anthropology and three hours in psychology. (Same as DMT 547.)

SOC 565 SPECIAL PROBLEMS IN SOCIOLOGY. (1-3)
Supervised individual study in selected subfields of sociology, population, community, organizations, social attitudes, deviant behavior, and social change are among the fields for investigation. May be repeated to a maximum of six credits. Prereq: Six hours of social science and learning contract filed with department chair.

SOC 603 SEMINAR IN TEACHING SOCIOLOGY. (3)
The purpose of this course is to aid the development of student’s teaching styles and strategies. Topics for class readings and discussions include philosophies and theories of teaching as well as specific teaching strategies and techniques. Seminar members each design a course they someday hope to teach, constructing a course syllabus, choosing readings and designing assignments, exercises, and examinations. In addition, seminar members prepare and deliver presentations to the seminar as well as to ongoing undergraduate classes. Prereq: Graduate standing in sociology, or consent of instructor.

SOC 605 VALUES, RESEARCH, AND PUBLIC POLICY. (1)
Discussion-oriented course focusing on the following issues: the role of knowledge in policy-making; conflicts between the production of “expert” knowledge and democratic participation in the public sphere; ethical and professional value commitments; implicit “knowledge interest” of methodological styles. Lecture, three hours per week for five weeks. Prereq: Consent of instructor.

SOC 606 APPLIED SOCIAL RESEARCH: AN OVERVIEW OF TYPES, USES AND DESIGNS. (1)
An introduction to the requirements and major types and methods of applied social research. Lecture, three hours per week for five weeks. Prereq: Consent of instructor.

SOC 607 ADMINISTERING APPLIED SOCIAL RESEARCH PROGRAMS. (1)
A case study approach to examining administrative and management issues and skills confronted in the conduct of applied social research, including proposal development, client-researcher relationships, budgeting, staffing, ethical and legal issues. Lecture, three hours per week for five weeks. Prereq: Consent of instructor.
SOC 608 INTERPRETING APPLIED SOCIAL RESEARCH. (1)
Overview of principles and techniques for communication of sociological research findings to nonacademic audiences. Experts in various fields will present short lectures and multi-media displays. Time will be provided for student exercises. Lecture, three hours per week for five weeks. Prereq: Consent of instructor.

SOC 610 PROSEMINAR IN COMPLEX ORGANIZATION. (3)
A systematic examination of the sociological concepts, literature and current developments in the field of complex organizations. Prereq: Consent of instructor.

SOC 622 TOPICS AND METHODS OF EVALUATION. (3)
An examination of a subset of evaluation methods, topics, and problems. An introductory course in the area with minimal emphasis on quantitative methods. The course is designed to: provide a perspective from which evaluation studies may be viewed; and, to provide experiences for those who will learn from or conduct evaluations. Prereq: Consent of instructor, and a basic course in statistics or research. (Same as ANT/EDP/EPE 620.)

SOC 630 PROSEMINAR IN DEVIAN'T BEHAVIOR. (3)
A systematic examination of the sociological concepts, literature and current developments in the field of deviant behavior. Prereq: Graduate standing; SOC 436 or equivalent.

SOC 635 PROSEMINAR IN WORK, GENDER, AND INEQUALITY. (3)
A systematic examination of the sociological concepts, literature and current developments in the sociology of work, gender, and inequality. Prereq: Consent of instructor.

SOC 637 SOCIOCULTURAL DIMENSIONS OF ECONOMIC DEVELOPMENT. (3)
Examination of social, cultural and economic conditions in lesser developed countries. Discussion of the various socioeconomic and cultural theories of change and developments, and of alternative policies for the world of the future. Considers the possible roles for social scientists in policy formulation and application. Prereq: Six graduate credits in social sciences or consent of instructor. (Same as SOC 637.)

#SOC 638 FOOD SYSTEMS AND AGRARIAN CHANGE. (3)
An examination of the way in which the organization of food procurement, distribution, and consumption in developing countries has affected and been affected by agrarian change. Prereq: Consent of instructor. (Same as SOC 638.)

SOC 640 SCIENCE, AGRICULTURE, AND DEVELOPMENT. (3)
An in-depth examination of the interrelations between science, agriculture, and development. Both domestic and international issues are explored. Prereq: Graduate standing in the social or agricultural sciences. (Same as SOC 640.)

SOC 641 GENDER ISSUES IN DEVELOPMENT. (3)
An examination of gender issues in domestic and international development. Prereq: Graduate standing in the social or agricultural sciences or permission of the instructor. (Same as SOC 641.)

SOC 650 CONCEPTS AND THEORIES IN SOCIOLOGY. (3)
Consideration of central conceptual issues underlying the construction of various sociological theories and their explanatory frameworks. A systematic exploration of the development and application of central conceptual frameworks of the discipline. Prereq: Consent of instructor.

SOC 651 SOCIOLOGICAL THEORY IN TRANSITION. (3)
Intensive examination of the ideas and continuing significance of leading nineteenth century sociological theorists. The work of Marx, Weber, Durkheim, and Simmel is given particular attention. Discussion concerns the contents of their writings, the sociohistorical context in which they were developed, and their applicability to contemporary society. Prereq: SOC 650 or consent of instructor.

SOC 653 FAMILY THEORY. (3)
A survey and critical evaluation of family macro and micro theories. The course will include (a) a historical perspective on the development of family theory; (b) the prevalent macro theories/conceptual frameworks in use in the field; and (c) current trends in the development of micro, or middle-range, family theories. Prereq: FAM 652. (Same as FAM 653.)

SOC 661 SOCIOLOGY OF EDUCATION. (3)
A study of schooling and education using basic analytic paradigms of sociology. Emphasis on schools as formal organizations and education in a changing, technologically oriented and stratified society. Prereq: SOC 101 or equivalent. (Same as EPE 661.)

SOC 680 METHODS OF SOCIAL INVESTIGATION. (4)
An overview of the various methods and techniques, both quantitative and qualitative, used by sociologists, including experience in the use of various methods. Lecture, three hours; laboratory, two hours per week. Prereq: Six graduate hours in sociology or consent of instructor.

SOC 681 RESEARCH DESIGN AND ANALYSIS. (3)
Problem definition and delimitation, design appropriate to problem and data, and selection of appropriate analysis techniques; critical examination of representative research studies. Prereq: Elementary statistics.

SOC 682 SPECIAL TOPICS IN ADVANCED SOCIOLOGICAL METHODS. (1-3)
A focused treatment of one or more issues, topics, or problems in sociological methods such as time-series analysis, causal analysis, participant observation, conduct of experiments, sociohistorical methods, scale construction, etc. May be repeated to a maximum of nine credits. Prereq: SOC 681 or equivalent.

SOC 684 FARMING SYSTEMS RESEARCH METHODS. (3)
A critical analysis of the concepts, methods, and practices of farming systems research. Design and carry out an FSR project. Prereq: Graduate standing in the social or agricultural sciences. (Same as ANT 684.)

SOC 691 STRUCTURE OF U.S. AGRICULTURE. (3)
This seminar will analyze the structural transformation of U.S. agriculture in the 19th and 20th centuries in the context of sociological theory. Emphasis is given to key historical transitions, changing social relations of production and state policy. Such emphases provide a framework for understanding the historical roots and future prospects for the socioeconomic problems confronting contemporary U.S. agriculture. Prereq: Graduate standing in sociology/agricultural economics or consent of instructor. (Same as AEC 691.)

SOC 710 SPECIAL TOPICS IN SOCIAL ORGANIZATION. (1-3)
A focused treatment of one or more issues, topics, or problems in the field of social organization such as selected aspects of political organization, inequality, opportunity structures, complex organization or social movements. May be repeated to a maximum of nine credits. Prereq: SOC 610 or equivalent or consent of instructor.

SOC 730 SPECIAL TOPICS IN DEVIAN'T BEHAVIOR. (1-3)
A focused treatment of one or more issues, topics, or problems in the field of deviant behavior such as delinquency, sociology of law, criminal justice and corrections, radical criminology, or methodological issues in deviance research. May be repeated to a maximum of nine credits. Prereq: SOC 630 or equivalent or consent of instructor.

SOC 735 TOPICAL SEMINAR IN WORK, GENDER, AND INEQUALITY (Subtitle required). (3)
Advanced study of topics of current importance in the sociology of work, gender, and inequality, such as labor force participation, work organization and process structure of labor markets, gender and work, social classes, race and ethnic stratification, and theories of work, gender, and inequality. May be repeated under different subtitle to a maximum of nine credits. Prereq: SOC 635 or consent of instructor.

SOC 748 MASTER'S THESIS RESEARCH. (0)
Half-time to full-time work on thesis. May be repeated to a maximum of six semesters. Prereq: All course work toward the degree must be completed.

SOC 749 DISSERTATION RESEARCH. (0)
Half-time to full-time work on dissertation. May be repeated to a maximum of six semesters. Prereq: Registration for two full-time semesters of 769 residence credit following the successful completion of the qualifying exams.

SOC 750 SPECIAL TOPICS IN SOCIAL CHANGE AND DEVELOPMENT. (1-3)
A focused treatment of one or more issues, topics, or problems in the field of social change and development, such as modernization, dependency, the role of science and technology in development, or alternative futures. May be repeated to a maximum of nine credits. Prereq: SOC 650 or equivalent or consent of instructor.

SOC 751 SEMINAR IN SOCIOLOGICAL THEORY. (3)
A survey of major theoretical perspectives in modern sociology, focusing on twentieth century developments in European and American sociological theory. The principal contributions of selected theorists are considered and their role in the establishment of contemporary sociology is assessed. Prereq: SOC 650 or consent of instructor.

SOC 752 SEMINAR IN FAMILY THEORY CONSTRUCTION. (3)
An advanced seminar focusing on the definition, evaluation and construction of family theory. Inductive and deductive theory construction strategies are surveyed, evaluated and applied. Prereq: FAM 652. (Same as FAM 752.)
### SOC 766 CONCEPTS IN MEDICAL SOCIOLOGY. (3)
A review of sociological concepts and methods which have been applied to the study of health and medicine; the contributions of medical sociology to general sociological theory and to concepts and research on health-related problems of society. Prereq: Consent of instructor. (Same as BSC 766.)

### SOC 768 RESIDENCE CREDIT FOR THE MASTER'S DEGREE. (1-6)
May be repeated to a maximum of 12 hours.

### SOC 769 RESIDENCE CREDIT FOR THE DOCTOR'S DEGREE. (0-12)
May be repeated indefinitely.

### SOC 772 TOPICAL SEMINAR IN SOCIOLOGY. (3)
Advanced study of topics of current importance in sociology, such as structural strain and social change, game theory, decision processes, communication and power structure. May be repeated to a maximum of six credits. Prereq: At least nine hours in the social sciences, preferably in sociology.

### SOC 773 TOPICAL SEMINAR. (3)
Analysis of topics of scientific interest in rural sociology, selected from such fields as the following: criticism of research; sociological factors in land use; migration; rural social ecology of the South; highland societies. May be repeated to a maximum of six credits.

### SOC 776 SEMINAR IN DEPENDENCY BEHAVIOR. (3)
The course is designed to explore theories of dependency behavior by examining the concept of dependency as it can be applied to the study of various phenomena including alcohol use and abuse; dependence on other psychoactive substances; institutional dependency; dependency in work settings; and poverty and welfare. Prereq: Consent of instructor. (Same as BSC 776.)

### SOC 777 SEMINAR IN MENTAL ILLNESS CONCEPTS, RESEARCH AND POLICY. (3)
Advanced study of contemporary concepts of mental health and mental illness, and their historical development; major forms of response to mental illness. Prereq: Consent of instructor. (Same as BSC 777.)

### SOC 779 TOPICAL SEMINAR IN SOCIAL PSYCHOLOGY. (3)
Each semester some topic in the field of social psychology such as attitudes and beliefs, structure and function of social groups, social determinants of behavior, leadership, and morale will be studied intensively. May be repeated to a maximum of six credits. Prereq: PSY 444G. (Same as PSY 779.)

### SOC 780 SPECIAL PROBLEMS IN SOCIOLOGY. (1-6)
May be repeated to a maximum of 10 credits.

### SOC 785 COMPARATIVE HEALTH CARE SYSTEMS. (3)
This seminar will focus on concepts, issues, and research pertaining to health care systems in comparative perspective. It will deal with the following questions. (1) What are the core analytical dimensions of a health care system? (2) How do health care systems connect with the other institutional domains of a society, with its value-system, and with its major cultural and historical trends? (3) Within the health care system, how are the major constituents of modern medicine related to each other? Prereq: Consent of instructor. (Same as BSC 785.)

### SOC 790 RESEARCH IN RURAL SOCIOLOGY. (1-3)
Individual graduate research with correlated study of rural social research types and methods. May be repeated for a maximum of six credits.

### SOC 792 RESEARCH IN SOCIOLOGY. (1-6)
Individual research and reading in particular fields of sociology, under staff supervision. Open to advanced students who are prepared for intensive study beyond that offered in regular classes in each field. May be repeated to a maximum of 10 hours.

### SPI 011 SPANISH READING FOR GRADUATE STUDENTS. (0)
Designed for those graduate students who wish to acquire a rapid reading knowledge of Spanish. Emphasis on rapid vocabulary building, the Spanish idiom, and the verb systems. Lecture, three hours.

### SPI 101 ELEMENTARY SPANISH I (spoken approach). (4)
This course is designed to introduce basic modes of communication in Spanish. The emphasis is on everyday language which the students will learn by applying essential grammatical structures to vocabulary. Both listening and reading comprehension are stressed. The textbook provides instructional assignments and self-correction exercises. Not open to students who have credit for SPI 141.

### SPI 102 ELEMENTARY SPANISH II (spoken approach). (4)
A continuation of SPI 101. Not open to students who have credit for SPI 142. Prereq: SPI 101 or consent of the department and placement test.

### SPI 115 CULTURE OF MEXICO FOR NON-SPANISH SPEAKERS. (3)
A course designed to introduce students to the basic cultural patterns of Mexico through readings and travel. To be offered only during the intersession or summer session in Mexico. Appropriate faculty leadership is provided.

### SPI 141 ELEMENTARY SPANISH I (reading approach). (3)
The study of the basic principles of the language through grammar, with emphasis on rapid development of reading and comprehension skills. Offered by correspondence only. Not open to students who have credit for SPI 101.

### SPI 142 ELEMENTARY SPANISH II (reading approach). (3)
A continuation of SPI 141. Selected readings. Offered by correspondence only. Not open to students who have credit for SPI 102. Prereq: SPI 141 or consent of placement and department test.

### SPI 201 INTERMEDIATE SPANISH III (spoken approach). (3)
Review and reinforcement of grammatical and phonological patterns. Emphasis will be given to developing reading, listening and speaking skills based on contemporary texts. Not open to students who have credit for SPI 241. Prereq: SPI 102 or consent of department and placement test.

### SPI 202 INTERMEDIATE SPANISH IV (spoken approach). (3)
Continuation of SPI 201. Not open to students who have credit for SPI 242. Prereq: SPI 201 or consent of department and placement test.

### SPI 210 SPANISH COMPOSITION. (3)
This course is designed for Spanish majors and minors and for those students who wish to perfect their knowledge of Spanish grammar. Concentration on more sophisticated structures of Spanish syntax, and further vocabulary expansion. Prereq: SPI 202 or equivalent or consent of chair.

### SPI 211 SPANISH CONVERSATION. (3)
Sections limited to no more than 15 students each. Oral-aural practice in the spoken language. Special emphasis placed on the acquisition of idioms and fundamental conversational vocabulary. Prereq: SPI 202 or equivalent or consent of chair.

### SPI 215 CULTURE OF MEXICO. (3)
A course designed to introduce students to the basic cultural patterns of Mexico and to improve their oral proficiency in Spanish. To be offered only during the intersession or summer session in Mexico. Appropriate faculty leadership is provided. Prereq: SPI 201 or equivalent or consent of chair. With permission of the chair, SPI 210 may also be considered a prerequisite.

### SPI 241 INTERMEDIATE SPANISH III (reading approach). (3)
Readings of selected Spanish and Spanish American works and rapid review of principles of grammar. Emphasis on reading comprehension. Not open to students who have credit for SPI 201. Prereq: SPI 142 or consent of department and placement test.

### SPI 242 INTERMEDIATE SPANISH IV (reading approach). (3)
A continuation of SPI 241. Several options will be offered, including culture, literature and contemporary problems. Topics for each section to be announced in the Schedule of Classes. Not open to students who have credit for SPI 202. Prereq: SPI 241 or consent of department and placement test.
SPI 261 MASTERPIECES OF HISPANIC LITERATURE IN TRANSLATION. (3)
A study of selected writers of Spain and Latin America from the Middle Ages to the present.

SPI 263 MASTERPIECES OF ITALIAN LITERATURE IN TRANSLATION. (3)
A study of representative Italian writers and their works in a European context, using anthologies and complete texts where necessary.

SPI 302 BUSINESS AND TECHNICAL SPANISH. (3)
A course designed to acquaint the student with Spanish language as used in business, and may include discussion of Spanish vocabulary for the social sciences and technical fields such as agriculture, engineering, medicine, and nursing. Prereq: SPI 210 or equivalent.

SPI 310 STYLISTIC STUDIES IN SPANISH. (3)
Practice in translation of English prose into Spanish, including treatment of advanced grammar and style. Prereq: SPI 210, 211 or equivalent.

SPI 311 ADVANCED SPANISH CONVERSATION. (1)
Intensive practice in oral Spanish, emphasizing refinement of intonation, and idiomatic expression. Designed to increase and maintain oral fluency in Spanish. May be repeated to a maximum of three credits. Not open to native speakers of Spanish. Prereq: SPI 211 or equivalent.

SPI 312 CIVILIZATION OF SPAIN. (3)
This course is designed to acquaint students with Spain’s intellectual, cultural and historical development. Conducted primarily in Spanish. Prereq: SPI 210 and 211, or consent of instructor.

SPI 314 CIVILIZATION OF SPANISH AMERICA. (3)
This course is designed to acquaint students with Spanish America’s intellectual, cultural and historical development. Conducted primarily in Spanish. Prereq: SPI 210 and 211, or consent of instructor.

SPI 320 LITERATURE, LIFE AND THOUGHT OF SPAIN. (3)
A study of the literature that reflects the life and thought of Spain from the Middle Ages to the present. Lecture and discussion in Spanish. Prereq: SPI 210 and 211, or consent of instructor.

SPI 322 LITERATURE, LIFE AND THOUGHT OF SPANISH AMERICA. (3)
A study of the literature that reflects the life and thought of Spanish America from the Colonial period to the present. Lecture and discussion in Spanish. Prereq: SPI 210 and 211, or consent of instructor.

SPI 324 THE THEATRE IN SPAIN AND SPANISH AMERICA. (3)

SPI 326 HISPANIC POETRY. (3)
Introduction to Spanish metrics and versification, and the forms and techniques of Hispanic poetry with analysis, explication, and interpretation of poetic texts by major poets from Spain and Spanish America. Conducted primarily in Spanish. Prereq: SPI 210 and 211.

SPI 375 STUDY IN SPAIN. (1-18)
Study of Spanish language, life, and culture at the University of Seville, Spain. Emphasizes Spanish language and literature. May include escorted visits to appropriate sites, reinforced by formal lectures and directed study. May be repeated to a maximum of eight credits. Prereq: SPI 201 and consent of department chair.

SPI 397 INDEPENDENT WORK IN SPANISH. (3)
May be repeated once. Prereq: Major and standing of 3.0 in the department.

SPI 399 FIELD BASED/COMMUNITY BASED EDUCATION. (1-15)
A community- or field-based experience in Spanish under the supervision of a faculty member. Approval of the Arts and Sciences dean required for credits above six per semester. May be repeated to a maximum of 15 credits. Pass-fail only. Prereq: Permission of the instructor and departmental chairperson; completion of departmental learning agreement.

SPI 400 SPECIAL TOPICS IN HISPANIC LITERATURE AND LANGUAGES (Subtitle required). (3)
Detailed investigation of a given topic, author, or theme. Topics announced the preceding semester. Conducted in Spanish. May be repeated to a maximum of six credits when identified by different subtitles. Prereq: One 300-level Spanish literature course.

SPI 411 ADVANCED SPANISH LANGUAGE. (3)
A course designed to practice language skills at an advanced level. Preparation of oral and written presentations in Spanish. Selected readings will be treated for their language content. Conducted primarily in Spanish. Prereq: SPI 210 and 211, and a 300-level Spanish course.

SPI 430 THE WORKS OF CERVANTES. (3)
Study and analysis of Miguel de Cervantes’ Don Quixote, the Novelas ejemplares, and selected dramatic works. Conducted in Spanish. Prereq: One 300-level Spanish literature course.

SPI 434 SPANISH LITERATURE OF THE 20TH CENTURY. (3)
A study of the works of the Generation of 1898 and representative works of recent writers. Conducted in Spanish. Prereq: One 300-level Spanish literature course.

SPI 435G LITERATURE OF SOCIAL PROTEST IN SPANISH AMERICA. (3)
Analysis and study of the use of sociopolitical elements in selected works by Spanish-American poets, novelists and dramatists. Conducted in Spanish. Prereq: One 300-level Spanish literature course.

SPI 501 SPANISH PHONETICS, PRONUNCIATION AND PHONEMICS. (3)
Introduction to Spanish descriptive linguistics with intensive study of variant speech sounds and established norms in the major cultural areas of the Hispanic world with discussions of the theory and isolation of phonemes. Prereq: SPI 210 and SPI 211, and a 300-500 level Spanish course.

SPI 502 SURVEY OF THE SPANISH LANGUAGE. (3)
The development of the Spanish language from the Vulgar Latin stages to the modern period. Special emphasis is placed on the Spanish of the 12th through the 14th centuries. Representative texts are analyzed. Prereq: SPI 210 and 211, and a 300-500 level Spanish course.

SPI 504 ADVANCED SPANISH GRAMMAR AND COMPOSITION. (3 ea.)
A study of the finer points of Spanish grammar. Prereq: SPI 210 and 211, and a 300-500 level Spanish course.

SPI 506 INTRODUCTION TO COMPARATIVE SPANISH, PORTUGUESE, AND ITALIAN LINGUISTICS. (3)
A common introduction to the historical development of Spanish, Portuguese and Italian from a common source, with an emphasis on the comparison of related lexical, phonological and morphological items. Prereq: Reading knowledge of Spanish or Italian (fourth semester of course work).

SPI 512 SPANISH CULTURE THROUGH THE 17TH CENTURY. (3)
A study of the major historical, social, cultural, and intellectual movements in Spain from the Middle Ages through the Golden Age. Prereq: Three credits of Spanish on the 300 level, or equivalent.

SPI 513 MODERN SPANISH CULTURE. (3)
A study of the historical, social, cultural, and intellectual trends in Spain from 1700 to the present. Prereq: Three credits of Spanish on the 300 level or equivalent.

SPI 514 STUDIES IN SPANISH AMERICAN CULTURE. (3)
A study of the major historical, social, cultural, and intellectual movements in Spanish America from pre-Columbian times to the present. Prereq: Three credits of Spanish on the 300 level, or equivalent.

SPI 518 HISPANIC FILM. (3)
A history of Spanish and Latin American film from the beginnings to the present, emphasizing the political, social, economic and cultural contexts of the Hispanic world. Viewing of films (in Spanish) outside of class is required. Class taught in Spanish. Prereq: Three credits of Spanish on the 300-500 level or equivalent.

SPI 522 SURVEY OF THE COMEDIA. (3)
A survey of the masterworks of Lope de Vega and his contemporaries. Prereq: One 300-level Spanish literature course.
SPI 532 THE GENERATION OF 1898. (3)
Studies in intellectual thought, literary work and special contributions of the writers of the generation of 1898. Prereq: One 300-level Spanish literature course.

SPI 541 SPANISH AMERICAN SHORT STORY. (3)
A study of the Spanish-American short story throughout its development. Prereq: One 300-level Spanish literature course.

SPI 553 TEACHING OF SPANISH. (3)
The course is designed for teachers and prospective teachers of modern foreign languages, with emphasis on Spanish. Modern methodology, theory and practice of language pedagogy.

SPI 601 OLD SPANISH: PHONOLOGY AND PALEOGRAPHY. (3)
An intensive study of the phonology of Spanish with emphasis on the various linguistic backgrounds that developed it. Examination and study of medieval texts with exercises in paleographical transcription of medieval manuscripts. Prereq: SPI 501 or consent of instructor.

SPI 603 CRITICAL AND HISTORICAL PERSPECTIVES ON MEDIEVAL, RENAISSANCE AND GOLDEN AGE SPANISH LITERATURE. (3)
Studies of selected Medieval and Golden Age Spanish works in light of their literary, historical, and cultural importance. Emphasis on critical approaches to text.

SPI 604 CRITICAL AND HISTORICAL PERSPECTIVES ON MODERN SPANISH LITERATURE. (3)
Studies of selected modern Spanish works (18th century to the present) in light of their literary, historical, and cultural importance. Emphasis on critical approaches to text.

SPI 605 CRITICAL AND HISTORICAL PERSPECTIVES ON SPANISH AMERICAN LITERATURE. (3)
Studies of selected Spanish American works (Colonial Period to the present) in light of their literary, historical, and cultural importance. Emphasis on critical approaches to text.

SPI 611 MEDIEVAL SPANISH LITERATURE I. (3)
A survey of Medieval Spanish literature from the beginning to the end of the 13th century. (SPI 612 is intended to cover the 14th and 15th centuries.)

SPI 612 MEDIEVAL SPANISH LITERATURE II. (3)
A survey of Medieval Spanish literature of the 14th and 15th centuries.

SPI 613 SPANISH EPIC AND LONG NARRATIVE POETRY. (3)
Study of the foundations of Spanish oral epic tradition with references to its parallels in other national literatures and its influences on other genres. Analysis of the Poema de Mio Cid, with readings in the important cycles of Spanish epacy and long narrative poetry through the 16th century.

SPI 615 SPANISH POETRY OF THE 13th, 14th and 15th CENTURIES. (3)
Development of lyric poetry from the earliest beginnings to the 15th Century. The harchas, Galician-Portuguese, lyric, sacred lyric and the poets of the conocioneros, exclusive of the ballad.

SPI 616 EARLY BRIEF NARRATIVE – 13th, 14th, 15th CENTURIES. (3)
The rise and development of the brief narrative in prose and rise of the oriental apologue, hieroglyphic tales and Greco-Roman fables.

SPI 617 SPANISH MEDIEVAL AND RENAISSANCE DRAMA. (3)
Readings, lectures and discussions on the origin of the Spanish vernacular drama and its growth through the 16th century.

SPI 622 CERVANTES I. (3)
A study of Don Quixote: collateral readings in Cervantine scholarship and criticism.

SPI 624 THE SPANISH NOVEL FROM CERVANTES TO ROMANTICISM. (3)
The post-Cervantine novel, including works by Lope, Tirso, Quevedo, Gracian, Isla and lesser novelists and novella-writers of 17th and 18th centuries.

SPI 625 MYSTIC AND ASCETIC WRITERS OF THE 16th AND 17th CENTURIES. (3)
A survey of ascetic and mystic writers including among others: Juan de Avila, Luis de León, Luis de Granada, Santa Teresa, San Juan de la Cruz.
<table>
<thead>
<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>SPI 296</td>
<td>ITALIAN CIVILIZATION.</td>
<td>(3)</td>
<td>A study of Italian civilization, with emphasis on historical and cultural developments. Prereq: SPI 292 or equivalent.</td>
</tr>
<tr>
<td>SPI 395</td>
<td>INDEPENDENT STUDIES IN ITALIAN.</td>
<td>(3)</td>
<td>Directed study in Italian literature, culture, and linguistics. May be repeated once. Prereq: 3.0 standing in the department and consent of instructor.</td>
</tr>
<tr>
<td>SPI 417</td>
<td>ADVANCED ITALIAN LANGUAGE.</td>
<td>(3)</td>
<td>A course designed to practice language skills at an advanced level. Both oral and written presentations are required. Readings of contemporary Italian prose will be selected to illustrate grammatical and stylistic concerns and to stimulate discussion. Prereq: SPI 295 or SPI 296.</td>
</tr>
<tr>
<td>SPI 443G</td>
<td>SURVEY OF ITALIAN LITERATURE I.</td>
<td>(3)</td>
<td>A survey of Italian literature from its beginnings to the 17th century. Prereq: SPI 292.</td>
</tr>
<tr>
<td>SPI 444G</td>
<td>SURVEY OF ITALIAN LITERATURE II.</td>
<td>(3)</td>
<td>A survey of Italian literature from the 17th century to the present. Prereq: SPI 292.</td>
</tr>
<tr>
<td>SPI 563</td>
<td>STUDIES IN DANTE.</td>
<td>(3)</td>
<td>Either the Vita Nuova and the Divina Commedia, Inferno or the Divina Commedia, Purgatorio and Paradiso. Prereq: SPI 443G.</td>
</tr>
<tr>
<td>SPI 566</td>
<td>LITERATURE OF THE ITALIAN RENAISSANCE.</td>
<td>(3)</td>
<td>A study of the major literary trends and figures of the Italian Renaissance, from the literary and humanistic successors of Petrarch and Boccaccio to the writers of the Cinquecento. Prereq: SPI 543 or 544 or consent of instructor.</td>
</tr>
<tr>
<td>SPI 569</td>
<td>TOPICS IN ITALIAN LANGUAGE, LITERATURE, OR CULTURE (Subtitle required).</td>
<td>(3)</td>
<td>Intensive study of an author, genre, period or movement of Italian literature or an aspect of Italian language or culture. May be repeated once under a different subtitle. Prereq: Variable; given when topic identified.</td>
</tr>
<tr>
<td>SPI 593</td>
<td>MODERN ITALIAN LITERATURE IN TRANSLATION.</td>
<td>(3)</td>
<td>A study of the major trends and figures of 19th and 20th century Italian literature.</td>
</tr>
</tbody>
</table>

### Social Theory

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ST 500</td>
<td>INTRODUCTION TO SOCIAL THEORY.</td>
<td>(3)</td>
<td>Multidisciplinary introduction to social theory for advanced undergraduate and graduate students. Overall goal is to substantiate the idea that social theory comprises a set of ontological and epistemological issues about human coexistence which are nondisciplinary-specific. The course will (1) examine what different social fields take as their central theoretical issues and concerns, and (2) conduct multidisciplinary explorations of key problem areas in contemporary social thought such as the nature of objectivity, the construction of gender, the role of space and time in social life, and modernity and postmodernity. Prereq: Either a prior theory course in any social discipline or a prior course in such a discipline that discussed theoretical issues. Exceptions will be permitted only after consultation with the instructor.</td>
</tr>
<tr>
<td>ST 600</td>
<td>MULTIDISCIPLINARY PERSPECTIVES IN SOCIAL THEORY (Subtitle required).</td>
<td>(3)</td>
<td>An advanced multidisciplinary seminar in social theory for graduate students taught by a team of faculty members. Topics change from year to year; examples include: individual and society, the social construction of gender, modernity and postmodernity, space and time in social life, objectivity and its other, etc. Focus is on the cross-disciplinary investigation of such issues in the social sciences and humanities. May be repeated to a maximum of nine credits under different subtitles. Prereq: ST 500 or permission of instructors.</td>
</tr>
<tr>
<td>ST 610</td>
<td>DISCLOSURE EDITORIAL COLLECTIVE.</td>
<td>(1)</td>
<td>Course provides editorial experience in the production of disClosure, a multidisciplinary social theory journal operated by students. Activities include: soliciting manuscripts, overseeing the external review process, communicating with authors, accepting and rejecting manuscripts, producing and distributing a single issue. May be repeated to a maximum of three credits. Lecture, two hours per week. Prereq: ST 500 or permission of instructor.</td>
</tr>
</tbody>
</table>
STA 200 STATISTICS: A FORCE IN HUMAN JUDGMENT. (3)
This course is concerned with the interaction of the science and art of statistics with our everyday lives emphasizing examples from the social and behavioral sciences. The student will not be required to learn mathematical formulas. Topics include the nature of statistics, uses and misuses of statistics, the scope and limitations of statistics, criteria by which published statistics may be judged, interpretation of probability and the art of decision making. Prereq: Completion of the mathematics basic skills requirement.

STA 281 PROBABILITY AND STATISTICS USING INTERACTIVE COMPUTER TECHNIQUES. (3)
The role of chance in experimental outcomes. Simple discrete and continuous probability distributions; combinatorics; moments and expectations; normal and binomial distributions; computer simulation and simple Monte Carlo methods. Descriptive statistics, charts, and graphs, and elements of statistical inference using interactive statistical packages (e.g., SCSS and/or MINITAB). Prereq: CS 150, CS 102, or CS 221; Coreq: MA 114, MA 112, or MA 118.

STA 291 STATISTICAL METHOD. (3)
Introduction to principles of statistics. Statistical description of sample data including frequency distributions, measures of central tendency, and measures of dispersion. Theoretical distributions, statistical estimation, and hypothesis testing. Introduction to simple linear regression and correlation. Prereq: MA 113, MA 123, or MA 131 or equivalent.

STA 292 DESCRIPTIVE STATISTICS. (1)
Graphical and tabular description of data; measures of central tendency and variation, scattergrams, correlation and best-fitting lines; index numbers. Prereq: MA 113, MA 123, or MA 131, or consent of instructor.

STA 293 PROBABILITY. (1)
Experiments and sample spaces; elementary and conditional probability; counting principles; random variables; distribution and expectation; normal and binomial distributions. Prereq: STA 292.

STA 294 SAMPLING AND INFERENCE. (1)
Sampling; sampling behavior of X and S2; confidence intervals and tests of hypotheses about the mean and variance of a normal population: NOTE:***************the X2 and t distributions. Prereq: STA 292 and 293.

STA 320 INTRODUCTORY PROBABILITY. (3)
Set theory; fundamental concepts of probability, including conditional and marginal probability; random variables and probability distributions (discrete and continuous); expected values and moments; moment-generating functions; random experiments; distributions of random variables and functions of random variables; limit theorems. Prereq: MA 213 or equivalent. (Same as MA 320.)

STA 321 BASIC STATISTICAL THEORY I. (3)
Simple random sampling; point and interval estimation; hypothesis testing. Prereq: STA/MA 320.

STA 381 INTRODUCTION TO ENGINEERING STATISTICS. (3)
Probability; population and sample distributions; sampling; hypothesis testing; regression on one variable; quality control. Prereq: MA 213.

STA 417G PRINCIPLES OF OPERATIONS RESEARCH II. (3)
A continuation of MA 416G with topics selected from stochastic models, decision making under uncertainty, inventory models with random demand, waiting time models and decision problems. Prereq: CS/MA 416G and MA/STA 320, or consent of instructor. (Same as MA 417G.)

STA 422G BASIC STATISTICAL THEORY II. (3)
Theory of least squares; regression; analysis of variance and covariance; experimental design models; factorial experiments; variance component models. Prereq: STA 321.

STA 424G BASIC PROBABILITY AND DISTRIBUTION THEORY. (3)
Basic set theory and probability; random variables; discrete and continuous probability distributions; expected values, moments and moment-generating functions; distributions of functions of random variables; limiting distributions. Prereq: MA 114.
STA 616 DESIGN AND ANALYSIS OF SAMPLE SURVEYS. (3)
Sampling from finite populations; estimation of sample size; stratification; ratio and
regression estimators; systematic sampling; cluster sampling; multistage sampling
(selection of sampling units with probability proportional to size); double sampling;
response errors. Prereq: STA 531 or consent of instructor.

STA 619 PROBLEMS SEMINAR IN OPERATIONS RESEARCH. (3)
In this course the student is exposed to the art of applying the tools of operations research
to "real world" problems. The seminar is generally conducted by a group of faculty
members from the various disciplines to which operations research is applicable. Prereq:
MA 617 and STA 525 or consent of instructor. (Same as BA/EE/OR 619 and MA 613.)

STA 621 NONPARAMETRIC INFERENCE. (3)
Estimation and testing when the functional form of the population distribution is
unknown; rank and sign tests; tests based on permutations of observations; power of
nonparametric tests; optimum nonparametric tests and estimators. Prereq: STA 601.

STA 624 APPLIED STOCHASTIC PROCESSES. (3)
Definition and classification of stochastic processes, renewal theory and applications,
Markov chains, continuous time Markov chains, queuing theory, epidemic processes,
Gaussian processes. Prereq: STA 524 or consent of instructor. (Same as OR 624.)

STA 626 TIME SERIES ANALYSIS. (3)
Time series and stochastic processes, auto-correlation functions and spectral properties
of stationary processes; linear models for stationary processes, moving average, auto-
regressive and mixed autoregressive-moving average processes; linear nonstationary
models, minimum mean square error forecasts and their properties; model identification,
estimation and diagnostic checking. Prereq: STA 422G or equivalent. (Same as ECO 626.)

STA 635 SURVIVABILITY AND LIFE TESTING. (3)
Life Table Analysis. Estimation of survival rates withensored data. Competing Risk
Theory. Parameter estimation for commonly encountered reliability distribution with
complete censored and truncated data. Maximum likelihood and order statistics
techniques. Survivability growth models, comparison of survival distribution, and
sample size determination in clinical trials. Extreme value theory. Prereq: STA 525 or
STA 601.

STA 641 DESIGN AND ANALYSIS FOR
VARIANCE COMPONENT MODELS. (3)
Expected values, variances and covariances; balanced and unbalanced designs;
comparison of estimators; reduction of product variability; composting; sequential
designs; Bayesian estimation; confidence limits; negative estimates; finite populations.
Prereq: STA 603.

STA 643 ADVANCED EXPERIMENTAL DESIGN. (3)
Advanced topics in analyses of incomplete block designs; confounding and change-over
designs; data collected at several places and times; principles of design construction.
Prereq: STA 603.

STA 644 ADVANCED LINEAR AND NONLINEAR MODELS. (3)
Review of the general linear model. Regression methodology using Ridge, Bayes, and
Stein estimators. The use of PRESS, Cp, and R² statistics as selection criteria. Modern
computational methods. Nonlinear models and their methodology. Robust Regression.
Prereq: STA 603.

STA 661 MULTIVARIATE ANALYSIS I. (3)
Characterization and properties of the multivariate normal distribution, random samples
from this distribution; multivariate analysis of variance, related distribution theory;
factor analysis. Prereq: STA 603.

STA 665 ANALYSIS OF CATEGORICAL DATA. (3)
Multinomial and product-multinomial models; large-sample theory of estimation and
testing, Pearson chi-square and modified chi-square statistics, Pearson-Fisher Theorem,
Wald Statistics and generalized least squares technique; applications to problems of
symmetry, association and hypotheses of no interaction in multi-dimensional contin-
cency tables. Prereq: STA 603.

STA 671 REGRESSION AND CORRELATION. (2)
Simple linear regression, elementary matrix algebra and its application to simple linear
regression; general linear model, multiple regression, analysis of variance tables, testing
of subhypotheses, nonlinear regression, step-wise regression; partial and multiple
correlation. Emphasis upon use of computer library routines; other special topics
according to the interests of the class. Lecture, three hours per week; laboratory, two
hours per week for seven and one half weeks. Offered the first or second half of each semester.
Prereq: STA 570 or EDP 557.

STA 672 DESIGN AND ANALYSIS OF EXPERIMENTS. (2)
Review of one-way analysis of variance; planned and unplanned individual comparisons,
including contrasts and orthogonal polynomials; factorial experiments; completely
randomized, randomized block, Latin square, and split-plot designs: relative efficiency,
expected mean squares; multiple regression analysis for balanced and unbalanced
experiments, analysis of covariance. Lecture, three hours per week; laboratory, two hours
per week for seven and a half weeks. Offered the first or second half of each semester. Prereq:
STA 671.

STA 673 DISTRIBUTION-FREE STATISTICAL
INFERENCE AND ANALYSIS OF CATEGORICAL DATA. (2)
Inference for population quantiles, sign tests, Wilcoxon tests, Kruskal-Wallis and
Friedman tests, Kendall and Spearman rank correlation. Goodness-of-fit tests for
completely and partially specified distributions, rxc contingency tables, McNemar and
Cochran’s Q tests for matched proportions; three dimensional tables and tests of partial
and multiple associations. Lecture, three hours per week; laboratory, two hours per week
for seven and a half weeks. Offered the first or second half of each semester. Prereq: STA
570 or EDP 557.

STA 675 SURVEY SAMPLING. (2)
Simple random sampling and stratified random sampling, ratio and regression
estimators, cluster sampling, systematic sampling, and multi-stage sampling. Specific
problems associated with running a survey: non-response, call-backs, questionnaire
construction, mail questionnaires, and area sampling. Lecture, three hours per week;
laboratory, two hours per week for seven and a half weeks. Offered the first or second
half of each semester. Prereq: STA 570 or EDP 557.

STA 676 QUANTITATIVE INHERITANCE
IN PLANT POPULATIONS. (3)
After a brief review of population genetics theory, the course is divided into two sections
which cover methods of estimating genetic variances and selection methods in
population improvement. The course will focus on handling and interpretation of actual
data sets through data analysis and discussion of current literature. Prereq: STA 570,
STA 671, STA 672, and ASC 662. (Same as AGR 676.)

STA 677 APPLIED MULTIVARIATE METHODS. (3)
Survey of multivariate statistical techniques. The multivariate normal distribution; the
general linear model; general procedures for parameter estimation and hypothesis testing
in the multivariate case; Hotelling’s T², multivariate analysis of variance and covariance;
structural models for the covariance matrix; utilization of existing computer programs.
Prereq: STA 671 and 672, and a knowledge of linear algebra equivalent to MA 262.

STA 679 DESIGN AND ANALYSIS OF EXPERIMENTS II. (3)
A continuation of STA 672. Multiplicative models in two-factor experiments. Partial
factorials. Extensions and modifications of split plots and Latin squares. Confounding
One restrictional and two restrictional lattice and incomplete block designs. Combining
analyses of similar experiments. Prereq: STA 671 and 672 or equivalent.

STA 690 SEMINAR IN STATISTICS. (1)
May be repeated to a maximum of three credits.

STA 691 SPECIAL TOPICS IN THE PLANNING AND ANALYSIS
OF EXPERIMENTS (Subtitle required). (1-3)
Place of statistics in experimentation; topics in experimental design; response surfaces;
departures from usual assumptions in analysis of variance; other selected topics.
May be repeated to a maximum of nine credits. Prereq: STA 603 or consent of instructor.

STA 692 STATISTICAL CONSULTING. (3)
Basic principles of statistical consulting including how to manage a consulting session,
how to formulate and solve problems and how to express results both orally and in
writing. Students will be expected to analyze data from a current consulting project.
Lecture, two hours; laboratory, two hours per week. Coreq: STA 643 or EDP 644 or consent
of instructor.

STA 695 SPECIAL TOPICS IN STATISTICAL THEORY
(Subtitle required). (1-3)
To be selected by staff. May be repeated to a maximum of nine credits. Prereq: STA
601.

STA 701 ADVANCED STATISTICAL INFERENCE I. (3)
Basic concepts of decision theory, sufficiency and completeness; completeness of
multivariate exponential family; unbiasedness and invariance of decision rules;
Bayes, minimax and invariant estimators; testing of hypotheses and optimality
properties. Prereq: MA 571 and STA 601.
STA 702 ADVANCED STATISTICAL INFERENCE II. (3)
UMP and UMP unbiased tests for multiparametric exponential families; locally best
tests; invariance and permutation tests, UMP invariant tests for linear hypotheses;
asymptotic aspects of classical statistics, ML estimation and concepts of efficiency;
sequential probability ratio test; confidence set, UMA unbiased and invariance
confidence sets. Prereq: STA 701.

STA 703 ADVANCED PROBABILITY. (3)
Probability spaces, extension theorem, random variables; independence, conditional
probability, conditional expectation; laws of large numbers, law of the iterated logarithm;
convergence in distribution; characteristic functions; central limit theorems; martingales.
Prereq: MA 571 and STA 524 or consent of instructor.

STA 704 ADVANCED PROBABILITY –
STOCHASTIC PROCESSES. (3)
Random functions; jump Markov processes; processes with independent increments;
stationary stochastic processes; diffusion processes; limit theorems; applications of
stochastic processes. Prereq: STA 703.

STA 748 MASTER’S THESIS RESEARCH. (0)
Half-time to full-time work on thesis. May be repeated to a maximum of six semesters.
Prereq: All course work toward the degree must be completed.

STA 749 DISSERTATION RESEARCH. (0)
Half-time to full-time work on dissertation. May be repeated to a maximum of six
semesters. Prereq: Registration for two full-time semesters of 769 residence credit
following the successful completion of the qualifying exams.

STA 768 RESIDENCE CREDIT
FOR THE MASTER’S DEGREE. (1-6)
May be repeated to a maximum of 12 hours.

STA 769 RESIDENCE CREDIT
FOR THE DOCTOR’S DEGREE. (0-12)
May be repeated indefinitely.

SUR Surgeries

SUR 815 FIRST YEAR ELECTIVE,
SURGERY. (1-3)
With the advice and approval of his or her faculty adviser, the first-year student may choose
approved electives offered by the Department of Surgery. The intent is to provide
the student an opportunity for exploration and study in an area which supplements and/or
complements required course work in the first-year curriculum. Pass-fail only. Prereq:
Admission to first year, College of Medicine.

SUR 825 SECOND-YEAR ELECTIVE,
SURGERY. (1-4)
With the advice and approval of his or her faculty adviser, the second-year student may
choose approved electives offered by the Department of Surgery. The intent is to provide
the student an opportunity for exploration and study in an area which supplements and/or
complements required course work in the second-year curriculum. Pass-fail only. 
Prereq: Admission to second-year medical curriculum and approval of adviser.

SUR 831 SURGICAL CLERKSHIP. (10)
A clerkship designed to provide practical experiences and problem oriented approaches
to the surgical patient based on principles of general surgery and surgical specialties.
Prereq: Admission to third year, College of Medicine.

SUR 835 THIRD-YEAR ELECTIVE,
SURGERY. (1-6)
Elective offerings in basic medical sciences and clinical medicine; will vary in length
from 25-150 hours and will carry one to six hours credit. Electives will be chosen with
the advice and approval of faculty advisor and Curriculum Committee. Prereq: 
Admission to the third year, College of Medicine.

SUR 841 SURGICAL SPECIALTY SELECTIVE. (1-6)
A clerkship providing lectures and practical experience in two surgical specialties,
including but not limited to: cardiothoracic surgery, plastic surgery, neurosurgery,
orthopedics, urology, pediatric surgery, and ophthalmology. One credit per week, not
to exceed six weeks. Prereq: Admission to the fourth year of the College of Medicine.

SUR 850-899 FOURTH-YEAR ELECTIVE
FOR MEDICAL STUDENTS. (1-6)
With the advice and approval of the faculty adviser and the Student Progress and
Promotions Committee, the fourth-year student may choose approved electives offered
by the various departments in the College of Medicine. The intent is to provide the
student an opportunity to develop his fund of knowledge and clinical competence. Prereq:
Admission to the fourth year, College of Medicine and/or permission of the Student
Progress and Promotions Committee.

Approved electives:
SUR 851 ACTING INTERNSHIP IN ORTHOPEDIC SURGERY
SUR 852 ACTING INTERNSHIP IN PEDIATRIC SURGERY
SUR 853 ACTING INTERNSHIP IN OTOLARYNGOLOGY-HEAD AND NECK SURGERY
SUR 854 ACTING INTERNSHIP IN UROLOGY
SUR 855 ACTING INTERNSHIP IN PLASTIC SURGERY
SUR 857 ACTING INTERNSHIP IN TRANSPLANTATION SURGERY
SUR 862 ACTING INTERNSHIP IN GENERAL SURGERY
SUR 863 ACTING INTERNSHIP IN CARDIOTHORACIC SURGERY
SUR 864 ACTING INTERNSHIP IN NEUROSURGERY
SUR 865 CLINICAL CLERKSHIP IN SURGERY
SUR 867 ELECTIVE IN MICROSURGERY
SUR 868 URBAN GENERAL SURGERY ELECTIVE
SUR 869 ACTING INTERNSHIP IN TRAUMA SURGERY
SUR 870 ELECTIVE IN HEARING, SPEECH AND LANGUAGE
SUR 871 SURGERY ACTING INTERNSHIP
SUR 890 SURGERY OFF-SITE

SW Social Work

SW 124 INTRODUCTION TO SOCIAL SERVICES. (3)
Introduction to social welfare concepts and philosophies. Examination of the profession
of social work and its philosophy and value commitments within social welfare. Public
and private service delivery systems will be studied. Required of social work majors
and recommended it be taken the first year. Two class hours and two laboratory hours
per week.

SW 222 DEVELOPMENT OF SOCIAL WELFARE. (3)
Study of the cultural traditions, value orientations, and political and economic forces
which have contributed to the emergence of present social welfare policies and systems
in the United States. Required of social work majors and open to all others.

SW 300 SOCIAL WORK PRACTICE I. (4)
An introduction to social work practice theory, a study of the skills in professional practice
of social work, and an examination of the functions of the social worker in the direct
delivery of social services. Class includes four hours per week of laboratory in health
or welfare settings, and three lecture hours.

SW 320 GLOBAL POVERTY:
RESPONSES ACROSS CULTURES. (3)
An examination of poverty in various non-Western cultures. The course will cover the
nature, scope, and distribution of poverty, definitions of poverty, common characteristics
of the poor, as well as cultural traditions and followings which contribute to the problem.
Social welfare responses and humanitarian efforts which address the problem are
examined.

SW 322 SOCIAL WORK AND SOCIAL WELFARE. (4)
Designed for transfer students of junior rank. Study of social welfare development, social
work philosophy and value commitment and with an examination of social service
agencies and programs. Lecture, three hours; laboratory, two hours; options of agency
visitation, group experiences, social service. Not open to those having SW 124 and 222.
Prereq: For majors only.
SW 354 THE FAMILY IN CROSS-CULTURAL PERSPECTIVE. (3)
This course approaches the study of the family from a comparative perspective, emphasizing cross-cultural variability in the structure and function of family, kinship, household formation, sex roles, and socialization are examined in the context of the family, as well as patterns of interaction, personality formation, and family pathology. Prereq: Introductory social science course. (Same as ANT/FAM/SOC 354.)

SW 395 INDEPENDENT WORK. (1-4)
Organized study research and/or tutorial work focused on special issues or problems. May be repeated to a maximum of four credits. Prereq: Major, standing of 3.0 overall GPA, or consent of dean, and consent of adviser and instructor.

SW 400 SOCIAL WORK PRACTICE II. (4)
A study of the integrated social work method and problem-solving skills. Examination of theories underlying social work practice. Discussion and analysis of readings, practice theory and particular strategies used in working with a variety of client systems and social problems. Prereq: SW 225 or graduate standing or consent of instructor. For majors only.

SW 401 PRACTICE WITH CHILDREN AND FAMILIES. (3)
The critical examination of social work practice with children and families with emphasis on service interventions to strengthen family life. Prereq: SW 354.

SW 420 PERSPECTIVES ON HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT. (3)
This course will deal with the interrelatedness of the biological, social, cultural, environmental and psychological factors in human behavior and their relevance and application to social work practice. Prereq: A minimum of six hours of psychology and sociology or graduate standing or consent of instructor. For majors only.

SW 421 SOCIALIZATION AND RESOCIALIZATION GROUPS IN PRACTICE. (3)
This course develops social work practice skills for conducting socialization and resocialization groups. Leadership activities include member selection, contracting, direct and indirect change techniques, and terminating. Application is made to a variety of settings and member characteristics. Prereq: Social work majors or consent of instructor.

SW 430 SOCIAL WELFARE POLICY: THEORY AND IMPLEMENTATION. (3)
The study and demonstration of different analytic models utilized in analysis of social welfare policy. The course also introduces content in the areas of organizational theory, management tools necessary to the understanding of implementation and evaluation of social welfare policy. Prereq: SW 222 or SW 322 or graduate standing or consent of instructor. For majors only.

SW 444 EDUCATIONAL PRACTICUM I. (8)
Introduction to social work practicum under faculty direction in a Teaching-Learning Center. Students will begin to apply knowledge from prerequisite courses in experiences which utilize social work practice skills with individuals, groups and social service organizations toward the goals of prevention, restoration, and enhancement of social functioning. Includes 24 hours per week of seminar and experiential learning. Prereq: SW 400C and SW 420C, or consent of dean. For majors only.

SW 445 EDUCATIONAL PRACTICUM II. (8)
Advanced social work practicum under faculty direction in a Teaching-Learning Center. The development of analytical and conceptual skills is emphasized in the application of theory to social work practice experience. Includes 24 hours per week of seminar and experiential learning. Prereq: SW 444 or consent of dean. For majors only.

SW 450 SOCIAL WORK RESEARCH. (3)
An introductory study of the processes of research in building social work knowledge and developing effective social work practice. Prereq: A basic course in statistics or consent of instructor. For majors only.

SW 470 SENIOR SEMINAR. (3)
An integrative professional seminar for senior majors in social work, usually taken in the last semester of course work. Social work issues of an educational, professional and practice nature are examined. Prereq: SW 445 or concurrently, or consent of instructor. For majors only.

SW 477 FIELD EXPERIENCE FOR NONMAJORS. (3-6)
Observation and participation in a wide variety of agency settings in the delivery of social services and problem solving. Lecture, 1 to 2 hours; laboratory, 9-18 hours per week. Prereq: Consent of instructor.

SW 480 TOPICAL SEMINAR IN SOCIAL WORK. (2-4)
Study of issues of current and special significance for social work practice. Issues selected in accordance with the needs and interest of students enrolled. May be repeated to a maximum of eight credits. Prereq: Open to students of the College of Social Work, or consent of instructor.

SW 505 CHILD WELFARE SERVICES. (2-3)
A study of community and national programs for child care and protection, including aid to dependent children and other social security services.

SW 510 MENTAL HEALTH KNOWLEDGE FOR THE SOCIAL PROFESSIONS. (2-3)
An analysis of personality development, behavior patterns, and social structural factors with special reference to mental health, its service delivery system, and implications for practice in the social professions.

SW 512 MEDICAL KNOWLEDGE FOR THE SOCIAL PROFESSIONS. (3)
A description and analysis of physical illnesses and disabilities met in practice by social professionals with consideration of their implications for the delivery of health and welfare services. Prereq: Basic knowledge of biology and psychology is recommended. (Same as RC 512.)

SW 513 INTEGRATED SERVICES FOR THE HANDICAPPED. (3)
This course will focus on interdisciplinary teamwork practices and integrated services for individuals with handicapping conditions. A variety of interdisciplinary models of service delivery will be reviewed and experiential opportunities will be provided.

SW 514 ALCOHOLISM AND PROBLEM DRINKING. (2-3)
This course will examine traditional and emerging concepts of alcoholism and problem drinking with special attention to problems in definition. The contributions of recent research to our understanding of risk factors associated with various populations will be reviewed. Selected strategies for identification of and intervention into alcoholism and problem drinking will be discussed with particular attention to the unique problems and needs of racial minorities, youth, female, and other populations.

SW 523 SOCIAL PERSPECTIVES ON RACISM AND ETHNIC PREJUDICES IN AMERICA. (2-3)
The course is designed to provide the knowledge needed in understanding the dynamics of institutional racism from a broader perspective of five specific ethnic minorities in rural and urban America. Particular emphasis is placed upon planned community change and strategies pertinent to minority group communities. Students who wish to make a special, in-depth study of one of the specified content areas may take this course for one additional credit. Prereq: Consent of instructor.

SW 560 SOCIAL WORK PRACTICE IN JUVENILE JUSTICE. (3)
An examination of the history, organization and processes within the juvenile justice system, including the roles of the police, courts, and helping professionals. The impact on social work practice within the juvenile justice system is the major focus.

SW 571 SOCIAL WORK AND THE LAW. (3)
The course examines the lawyer’s method and the legal system; the organization and ethics of the practicing bar; the impact of legal decision-making and lawyers on society in such selected situations as civil rights, juvenile and criminal justice and consumer debtor-creditor relationships; and working relationships between social workers and lawyers.

SW 580 TOPICAL SEMINAR IN SOCIAL WORK. (2-4)
Study of issues of current and special significance for social work practice. Issues selected in accordance with the needs and interests of students enrolled. May be repeated to a maximum of eight credits. Prereq: Open to the student of social work or consent of instructor.

SW 600 SOCIAL WORK PRACTICE I. (4)
This course lays the basic foundations for the educational practicum and all advanced practice courses. It further deals with the variety of strategies for intervention in problem-solving and helping processes in social work practice.

SW 601 SOCIAL WORK PRACTICE II. (2)
This course strengthens the basic foundations for the educational practicum and all advanced practice courses. It further deals with the variety of strategies for intervention in problem-solving and helping processes in social work practice. Prereq: Advanced standing in the Master of Social Work program.
### SW 603 SOCIAL WORK PRACTICE WITH CHILDREN AND YOUTH.
(2)
Study and analysis of developmental crises and problems of children and youth. Emphasis upon social work strategies of intervention for prevention, amelioration or resolution. Prereq: SW 600 or 601 or consent of instructor.

### SW 604 SOCIAL WORK PRACTICE WITH THE AGING.
(2 or 3)
This course will develop the framework of knowledge and skills necessary for effective social work practice in a variety of primary and host settings which deal with problems and issues confronting the aging citizen in contemporary society. Prereq: SW 600 or 601 or consent of instructor.

### SW 605 SOCIAL WORK PRACTICE IN HEALTH SERVICES.
(2)
Examination and analysis of the role of social work in health care delivery systems. Prereq: SW 600 or 601 or consent of instructor.

### SW 606 SEMINAR IN CRIMINAL JUSTICE PROCESSES.
(2)
Criminal justice processes are studied and evaluated emphasizing systems aims, theories of criminality and societal reaction, the consequences and costs to offenders and to society of current policies to control and prevent crime. Traditional and innovative community and institutional programs for adult and juvenile offenders will be examined.

### SW 607 SOCIAL WORK PRACTICE WITH FAMILIES.
(2)
The presentation and critical examination of theory as it relates to the study of contemporary marriage and family life and professional social work practice skills intended to strengthen family life. Seminar, two hours. Prereq: SW 600 or 601 or consent of instructor.

### SW 608 CLINICAL SOCIAL WORK PRACTICE.
(2)
The presentation and critical examination of specific treatment modalities as they relate to individuals, families, marital couples, and groups. Specific emphasis will be placed on the application and evaluation of specific intervention techniques. Prereq: SW 600 or 601 or consent of instructor.

### SW 610 SOCIAL SERVICES IN BLACK COMMUNITIES.
(3)
Study of the diversity of relationships, structures, and processes in Black communities, of particular problems and human service needs of ethnic clients, and of implications for social service practice.

### SW 611 SOCIAL WORK PRACTICE IN MENTAL HEALTH.
(2-3)
Description, analysis, and examination of social work practice in the mental health service delivery system, with particular emphasis on social work interventions and roles.

### SW 612 SEMINAR ON SOCIAL WORK PRACTICE WITH WOMEN.
(2-3)
This seminar focuses on the special problems and practice strategies relevant to selected groups of women served by social work.

### SW 613 URBAN ECOLOGY AND AGING.
(2 or 3)
Effects of an urban environment upon the aging population, including community design, city planning, housing, transportation, relocation, and mobility. The impact of technological advances will be examined from the point of view of theory, current research, and the process of man-environmental relationships.

### SW 614 SOCIAL WORK PRACTICE WITH PEOPLE WITH AIDS.
(2-3)
A clinically-based study of the impact of AIDS upon individuals and families and the implications of the epidemic for social work practice. Emphasis will be on case analysis and examination of intervention strategies using experiential and case history techniques.

### SW 615 SOCIAL WORK IN WORK SETTINGS.
(2-3)
The course will provide an overview and introduction of social work practice and policy in work settings. Major issues and concerns will be identified and discussed. Guidelines for practice and skills required for practice will be examined. Direct services, policy, and primary prevention will be studied.

### SW 616 SOCIAL WORK PRACTICE IN SCHOOL SETTINGS.
(2-3)
A presentation and examination of school social work practice. Emphasis will be placed on roles, competencies and skills necessary for effective service provision. The differences in services to children in schools will be contrasted with those in primary social service settings. Focus will also be given to the impact of school legislation and regulations on the choice of populations served and programs provided.

### SW 617 FAMILY VIOLENCE: SOCIAL WORK INTERVENTIONS.
(2-3)
The development of a knowledge based framework for understanding, preventing and intervening in family violence as seen in child, spouse and elder abuse.

### SW 618 SOCIAL WORK PRACTICE WITH GAY AND LESBIAN PEOPLE.
(2-3)
This course is designed to expand the knowledge and understanding of students about the theory and dynamics of homophobia, heterosexism, and homonegativity. The effects of living with prejudice and discrimination among the gay and lesbian support systems available. Micro and macro social work intervention strategies will be studied as they relate to overall themes. Prereq: SW 600 or 601 or consent of instructor.

### SW 620 HUMAN GROWTH AND THE SOCIAL ENVIRONMENT I.
(4)
This course lays the necessary foundation for advanced courses in the biological, social, cultural, environmental and psychological factors that influence human behavior.

### SW 621 HUMAN GROWTH AND THE SOCIAL ENVIRONMENT II.
(2)
This course strengthens the necessary foundation for advanced courses in the biological, social, cultural, environmental, and psychological factors that influence human behavior. Prereq: Advanced standing in the Master of Social Work program.

### SW 622 SOCIAL WORK PRACTICE WITH THE AGING.
(2 or 3)
Study and analysis of developmental crises and problems of children and youth. Emphasis will be placed upon psychopathology in childhood, adolescence and adulthood. Models for understanding abnormal behavior will be introduced. Diagnostic techniques and interventive treatment strategies will be explored. Prereq: Knowledge of human behavior and personality theory highly recommended. (Same as FAM 624.)

### SW 623 SOCIAL WORK PRACTICE WITH GROUPS.
(2-3)
This course critically analyzes approaches to group practice in social work emphasizing socialization and resocialization purposes and leader activities. Research and practice issues are examined. Prereq: SW 600 or 601 or consent of instructor.

### SW 624 PERSPECTIVES ON HUMAN SEXUALITY.
(3)
An examination and study of historical and current perspectives of sexuality as it relates to behavioral patterns, cultural attitudes, social policy and practice. Prereq: Knowledge of human behavior and personality theory highly recommended.

### SW 625 PERSPECTIVES ON PSYCHOPATHOLOGY FOR SOCIAL WORKERS.
(2-3)
This course will focus upon an intensive examination of mental disorders as they relate to the individual and the family. Emphasis will be placed upon psychopathology in childhood, adolescence and adulthood. Models for understanding abnormal behavior will be introduced. Diagnostic techniques and interventive treatment strategies will be explored. Prereq: Knowledge of human behavior and personality theory highly recommended.

### SW 626 FORENSIC MENTAL HEALTH: EVALUATION AND TREATMENT.
(2-3)
An intensive analysis and study of forensic mental health including court evaluation, courtroom testimony and treatment of the victim. Students who wish to take this course for three credits will be expected to make an in-depth study of a specific content area. Lecture, two hours; laboratory (only for those taking the course for three hours), two hours per week. Prereq: Knowledge of behavior and personality theory is highly recommended.

### SW 627 SOCIAL WORK INTERVENTION IN FAMILY PROBLEMS.
(2-3)
The course involves identification of family problems encountered in social work practice and settings and presents the interventions commonly implemented in social work practice. The emphasis is on the social work approach to intervention with family problems.

### SW 630 SOCIAL WELFARE POLICIES AND SERVICES I.
(4)
This course emphasizes policy analysis and process presented from a systematic planning framework which utilizes the process components of formulation, enactment, implementation, and impact. Course content reflects the interdisciplinary efforts of the social, political, legal, economic, and administrative processes which are vital to the policy processes.

### SW 631 SOCIAL WELFARE POLICIES AND SERVICES II.
(2)
This course emphasizes that implementation of social policies with particular focus on social program administration, accountability, assessing need, and barriers to utilization. The power and politics in organizations are a constant thread of content. Prereq: Advanced standing in the Master of Social Work program.
SW 634 COMPARATIVE SOCIAL WELFARE POLICIES AND PROGRAMS. (2-3)
A comparative study of income maintenance and health care delivery systems in selected foreign countries and the United States. Emphasis will be given to the problems in coverage, financing and administration.

SW 636 MANAGEMENT SKILLS. (3)
Practical application of relevant theories to the day-by-day operation of an organization, i.e., program objectives setting, climate setting, task identification and resource allocation, performance monitoring, decision making, etc.

SW 637 TASK GROUPS IN AN ORGANIZATIONAL CONTEXT. (2)
Theories and selected concepts about task groups are studied to understand the dynamics of task groups and/or to provide guidelines for changing group processes to increase effectiveness. Application of this knowledge is made to task groups such as councils, committees, teams, and boards. Class members will have the opportunity to develop skills appropriate for use as members and leaders of task groups.

SW 640 GRADUATE EDUCATIONAL PRACTICUM I-A. (5)
Learning experiences under faculty direction in a teaching-learning center. Application of the problem-solving method to intervention with individuals, families, groups and communities toward social change. Knowledge from foundation courses is applied and tested in the practice situation. Experiential learning, 225 hours, and seminar. Prereq: SW 660, 620, 630 and 650.

SW 641 GRADUATE EDUCATIONAL PRACTICUM I-B. (5)
Learning experiences under faculty direction in a teaching-learning center. Application of the problem-solving method to intervention with individuals, families, groups, and communities toward social change. Knowledge from foundation courses is applied and tested in the practice situation. Experiential learning, 225 hours, and seminar. Prereq or concur: Continued enrollment in the course is contingent upon the completion or concurrent enrollment in SW 640, 661, 621, 631, and 651.

SW 642 PSYCHOLOGICAL ASPECTS OF HUMAN AGING. (3)
Description and explanation of behavior, socialization and personality differentiation during the post-maturation developmental period: emotional aspects of aging; perception; intelligence; learning; motivation; normal and abnormal behavior; sexuality; life style. Prereq: SW 620 or equivalent, or consent of instructor.

SW 643 BIOMEDICAL ASPECTS OF AGING. (3)
A survey of the normal age-associated changes in biological function, the major disease entities found in the older population, and how the health care delivery system presently addresses these issues. Prereq: Graduate status or permission of the instructor. (Same as GRN 643.)

SW 650 RESEARCH IN SOCIAL WORK. (2)
Study and analysis of scientific methods of building knowledge for practice and of evaluating service delivery in all areas of practice.

SW 651 EVALUATIVE RESEARCH IN SOCIAL WORK. (2)
Study of qualitative and quantitative methods of evaluative research, including designs for the systematic evaluation of student's own practice and evaluation of social work interventions, welfare programs and service delivery systems. Prereq: SW 650 or equivalent, advanced standing in the M.S.W. program or consent of instructor.

SW 652 PUBLIC POLICY AND AGING. (2 or 3)
The content of this course will center around the federal/state policy-making and policy implementation process. Among the areas to be considered are the origins of policy, interaction among policy-making bodies, the legal right and access to policy influence, political attitudes and behavior, the impact of the legislative system on the aging population, resource allocation, social insurance, the Older Americans Act, and political advocacy for and by older people and groups. Prereq: SW 630 or equivalent or consent of instructor.

SW 662 INCOME SECURITY AND AGING. (2 or 3)
Focus upon the economic condition of the older population: employment and occupational change; retirement, re-engagement; analysis of income and aging poverty; social security and pension plans; issues in income security. Prereq: SW 630 or equivalent or consent of instructor.

SW 680 SPECIAL PROBLEMS IN SOCIAL WORK PRACTICE. (2-6)
Current issues that have special significance for social work practice. Selected problems in accordance with the needs and interests of the students registered for the course. May be repeated to a maximum of six credits. Prereq: Consent of instructor.

SW 701 ADVANCED PRACTICE THEORY. (2)
Study and analysis of the application of the problem-solving processes to leadership roles and responsibilities in social work practice. Prereq: SW 600 or 601, 640; or concurrent enrollment in SW 740, or consent of instructor.

SW 711 ADVANCED LEADERSHIP ROLES IN SOCIAL WORK. (3)
Advanced study and analysis of leadership roles in social work practice with emphasis upon administration and supervision. Some attention is given to consultation, staff development and teaching, and review of theories of adult learning. Prereq: SW 701 or consent of instructor.

SW 721 ORGANIZATION AND MANAGEMENT METHODS FOR THE SOCIAL PROFESSIONS. (2-3)
This course will consider the appropriate skills and methods for effectively organizing and managing agencies, institutions, and organizations which are elements of the various social service delivery systems. Included is the study of the management process as it applies to social service settings, an examination of specific management skills, and consideration of the impact of social service programs and delivery methods on program constituents and consumers. Prereq: SW 720 or taken concurrently with SW 720, or consent of instructor.

SW 730 PUBLIC SOCIAL POLICY AND THE DELIVERY OF SOCIAL SERVICES. (2)
Critical study and analysis of social welfare policy needs, policy development and policy impact as related to citizen functioning and socialization. Prereq: SW 630 or equivalent or consent of instructor.

SW 731 SOCIAL WORK AND COMMUNITY PLANNING. (2-3)
Study and analysis of the social work process through the critical evaluation of social welfare needs in urban renewal, housing, health services, citizen participation in planning and other areas related to the humanization of community life. Students who wish to make a special, in-depth study of one of the specified content areas may take this course for three credits. Prereq: SW 630 or equivalent or consent of the instructor.

SW 740 GRADUATE EDUCATIONAL PRACTICUM II-A. (5)
Application of knowledge in advanced methods of intervention under faculty direction in a teaching-learning center. Emphasis is on the development of leadership competencies and advanced skills in interventional strategies. Experiences are provided in decision making and social policy formulation. Experiential learning, 225 hours, and seminar. Prereq: SW 641, and completion or concurrent enrollment in SW 701.

SW 741 GRADUATE EDUCATIONAL PRACTICUM II-B. (5)
Application of knowledge in advanced methods of intervention under faculty direction in a teaching-learning center. Emphasis is on the development of leadership competencies and advanced skills in interventional strategies. Experiences are provided in decision making and social policy formulation. Experiential learning, 225 hours, and seminar. Prereq or concurrent: SW 740.

SW 745 ADVANCED SPECIALIZED EDUCATIONAL PRACTICUM. (2-5)
Advanced field placement for second-year graduate students in a specialized area of social work practice in which students will carry major responsibility for independent practice or leadership. Experiential learning, 90-225 hours, and seminar. Prereq: SW 741 or equivalent with consent of the dean.

SW 750 RESEARCH IN PRACTICE. (2)
Application of knowledge of research methods through designing and conducting research, under faculty supervision, on problems relevant to social work, including social work practice and program evaluation. Prereq: SW 651 or equivalent or consent of instructor.

SW 770 SEMINAR ON SOCIAL ISSUES AND SOCIAL WORK PRACTICE. (2)
Seminar for second-year students on social issues which are currently vital to legislation, public concern and social action for the purpose of effecting changes in institutions and service delivery systems. Prereq or concurrent: SW 740 or 741 or consent of instructor.

SW 780 INDEPENDENT WORK. (2-6)
Organized study, research and/or tutorial focused on special issues or problems. May be repeated to a maximum of six credits. Prereq: Major, graduate standing of 3.0 overall GPA, or consent of dean, and consent of adviser and instructor.

SW 790 METHODS IN SOCIAL WORK RESEARCH. (2-6)
Intensive study of the research process with emphasis on design, sampling process, data collection, and analysis. For students seeking more advanced and specific skills in social work research. Individual projects demonstrating the student's skill and competence in the research process may be used for a maximum of four credits beyond the basic two credits for the course work. Prereq: SW 650 or equivalent or consent of instructor.