7020 Ecology of Fishes (3) S-To Prereq.: BIOL 4253 or equivalent. Ecology of fish populations; interactions of fishes and their environment; adaptations of fishes to their environments.

7025 Advanced Aquaculture (3) S-To Prereq.: RNR 4022 or equivalent. 4 hrs. lecture; 6 hrs. lab with occasional extended field trips. Responsibility for paying for travel expenses associated with this course. Systems and practices for maximizing production and profit of cultured aquatic species; methods of culturing aquatic plants, reef fish, exotic fish, and exotic species, and preparation of management plan for commercial aquaculture.

7026 Shellfisheries Aquaculture (4) F-To Prereq.: RNR 4022 and BIOL 4154; or equivalent. 3 hrs. lecture; 3 hrs. lab. Principles and practices for culturing commercially important crustaceans, including soft crabs, marine shrimp, freshwater crawfish, oysters, clams, and mussels; emphasis on environmental requirements, facility development, hatchery and production management, budgets and processing and markets.

7027 Genetics and Culture of Finfish (3) S-To Prereq.: RNR 4022 and BIOL 2153; or equivalent. 3 hrs. lab. Practical culture techniques and methods of breeding for genetic improvement of commercially important finfish.

7029 Advanced Topics in Renewable Natural Resources (1-4) V-May be taken for a max. of 6 sem. hrs. of credit when topics vary.

7030 Aquatic Entomology (4) S-To Prereq.: NTM 7030. Analysis of aquatic insects and their role in aquatic ecosystems.

7044 Advanced Topics in Biological Resources Biometrics and Management (3) V-To Prereq.: EXST 7014 or equivalent. Theory and practice of modeling in natural resources applications; principles of animal populations, communities, and related biological, physical, and chemical processes.

7141 Advanced Wood Science (4) V-To Prereq.: RNR 2043. 3 hrs. lecture; 3 hrs. lab. Theory and practice of wood science, including review of selected literature; anatomical, physical, and chemical properties of wood, with emphasis on wood products.

7061 Water Quality Management and Policy (3) See ENVS 7061.

7070 Graduate Seminar in Fisheries (1) F,Su-To be determined. May be taken for a max. of 6 sem. hrs. of credit.

7071 Graduate Seminar in Forestry (1) F-May be taken for a max. of 6 hrs. of credit. Pass-fail grading.

7072 Graduate Seminar in Wildlife (1) F,Su-May be taken for a max. of 4 sem. hrs. credit when topics vary. Topics of current interest in wildlife science and management.

7073 Graduate Seminar in Watershed and Water Resources (1) May be taken for a max. of 4 sem. hrs. credit when topics vary. Topics of current interest in water science and management.

7151 Watershed Hydrology and Floodplain Analysis (3) Prereq.: AGRO 2031 or RNR 4151 or consent of instructor. 2 hrs. lecture; 3 hrs. lab. Also offered as ENVS 7151.

7320 Fisheries Oceanography (3) See OCS 7320.

7424 Diseases of Aquatic Animals (3) Prereq.: consent of instructor, including laboratory and parasitology courses recommended. 2 hrs. lecture; 2 hrs. lab. Same as PHS 7424.

7411 Fishes in Aquaculture (3) Prereq.: RUSS 2001 or equivalent. May be taken for a max. of 4 sem. hrs. credit when topics vary. Topics of current interest in aquaculture science and management.

8000 Thesis Research (1-12 per sem.) 5 ‘U’ grading. 8990 Research Problems in Natural Resources (1-3) F,S,Su-May be taken for a max. of 6 sem. hrs. of credit. Pass-fail grading.

9000 Dissertation Research (1-12 per sem.) 5 ‘U’ grading.

RUSSIAN • RUSS

Native speakers of Russian will not receive credit for courses marked with an asterisk (*). General education courses are marked with stars (#).

*1001 Elementary Russian I (5) Hearing, speaking, reading, and writing Russian; elementary grammar. Translation.

*1002 Elementary Russian II (5) Prereq.: RUSS 1001 or equivalent. Hearing, speaking, reading, and writing Russian; development of practical command of Russian grammatical categories and vocabulary.

*1003 Elementary Russian III (5) Prereq.: RUSS 2002 or equivalent. Hearing, speaking, reading, and writing Russian; drill in oral and written original composition; attention to style, syntax, idioms, and inflections.

*1004 Intermediate Russian I (3) Prereq.: RUSS 1001 or equivalent. Vocabulary building and readings in modern Russian; drill in oral and written original composition; attention to style, syntax, idioms, and inflections.

*1005 Intermediate Russian II (3) Prereq.: RUSS 2002 or equivalent. Vocabulary building and readings in modern Russian; drill in oral and written original composition; attention to style, syntax, idioms, and inflections.

*1006 Intermediate Russian Discourse I (3) Prereq.: RUSS 2002 or equivalent. Russian literature of the 19th century.

*1007 Intermediate Russian Discourse II (3) Prereq.: RUSS 2002 or equivalent. Russian literature of the 20th century; study of literary texts; grammatical and cultural analysis; practice in listening and writing.

**1012 Russian for Travelers (3) To be taken for a max. of 5 sem. hrs. of credit when topics vary.

**1020 Russian for Reading Knowledge (5) To be taken for a max. of 5 sem. hrs. of credit when topics vary.

**1022 Russian for Travelers (3) To be taken for a max. of 5 sem. hrs. of credit when topics vary.

**1024 Russian for Reading Knowledge (5) To be taken for a max. of 5 sem. hrs. of credit when topics vary.

**1025 Russian for Reading Knowledge (5) To be taken for a max. of 5 sem. hrs. of credit when topics vary.

**1026 Russian for Reading Knowledge (5) To be taken for a max. of 5 sem. hrs. of credit when topics vary.

**1028 Russian for Reading Knowledge (5) To be taken for a max. of 5 sem. hrs. of credit when topics vary.

**1030 Russian for Reading Knowledge (5) To be taken for a max. of 5 sem. hrs. of credit when topics vary.

**1032 The Child and the Family (3) Common and particular needs of children in the community; social welfare services developed by communities for care and training of children.

7002 Skills in Working with People (3) Basic skills in working with people; understanding attitudes; use of community resources.

3003 Journal Delinquency (3) Nature and extent; sociological and psychological factors in causation and treatment of delinquent children; how communities are organized to help delinquent youth and to prevent inception and spread of juvenile problems.

3011 Community Services and the Aged (3) The aged population and their needs; formal and informal services and resources in the community; assisting the aged in obtaining services; implications for the future.

4000 Contemporary India: Society and Culture (3) Also offered as GEOG 4000. Interdisciplinary analysis of politico-cultural issues of contemporary pan-Indian society.

4003 Penology (3) Development of the penitentiary in society; punishment versus rehabilitation; problems in operating adult prison units.

4085 Groups and Social Work (3) Use of groups in social work; types of groups, dynamics, decision making processes and worker roles.

4020 Computers, Crime, and Justice (3) Historical trends, current research issues, emerging technological developments, and alternative theoretical frameworks for studying the impact of computerization on crime and criminal justice.

4022 Correctional Administration, Management, and Supervision (3) Current issues in the management and administration of correctional agencies; correctional organizations; role of policy in correctional administration; effects of organizational theory and human resource management; efficiency of labor in the corrections department; program planning; effects of court intervention; current health care issues, including AIDS and drugs; privatization.

4072 Special Topics in Russian (3) To be taken for a max. of 9 sem. hrs. of credit when topics vary. Selected topics on social work practice and social welfare services.

4075 Comparative Health Care Issues (3) Also offered as GEOG 4075. Selected topics in Russian Area Studies. Credit not applicable.

4080 Special Topics in Applied Correctional Policy (3) Prereq.: 3001 or equivalent. May be taken for a max. of 6 sem. hrs. of credit when topics vary.

4090 Corrections Internship (3) Prereq.: 2.50 gpa, 60 hrs. of course work, 3 hrs. from SW 4020, 4022, 4080, or consent of instructor. Pass/fail grading. Field study/placement in a corrections institution under the supervision of a faculty member.

4099 Individual Readings in Corrections (3) Prereq.: 2.50 gpa, 60 hrs. of course work, 3 hrs. from SW 4020, 4022, 4080, or consent of instructor. May be taken for a max. of 6 hrs. of credit.

4500 Crisis Intervention (3) Introduction to major theories and research that describe and explain the range and complexity of problems that may emerge from natural or other disaster scenarios.

4972 Human Behavior and the Social Environment I (3) Prereq.: majors only and credit or concurrent registration in SW 7003, 7004, 7005, and 7007. Introduction to human behavior. Interdisciplinary concepts of human behavior; major biopsychosocial developmental achievements and adaptations of human beings from conception through death.

7002 Human Behavior and the Social Environment II (3) Prereq.: SW 7001; majors only and credit or concurrent registration in SW 7006, 7008, 7009; 7010.Social science base of social work practice; social systems in which human beings develop and live; focus on research related to social interaction.

7003 Social Welfare History and Policy (3) Prereq.: majors only and credit or concurrent registration in SW 7001, 7004, 7005, and 7007. Major historical and contemporary social work as a profession; evolution of social welfare policies and programs; nature of social policy and policy formulation.

4974 Human Diversity and Expression (3) Prereq.: majors only and credit for or concurrent registration in SW 7001, 7003, 7004, 7005, and 7007. Social dynamics of human oppression; effects of institutional discrimination, inequality, stigma, and prejudice stemming from racism, sexism, ageism, and classism; implications of human oppression and institutionalized discrimination for social work practice; interrelationship of biological, psychological, social, and cultural determinants of human behavior; major biopsychosocial developmental achievements and adaptations of human beings from conception through death.

7002 Human Behavior and the Social Environment II (3) Prereq.: SW 7001; majors only and credit or concurrent registration in SW 7006, 7008, 7009; 7010. Social science base of social work practice; social systems in which human beings develop and live; focus on research related to social interaction.
7006 Social Work Practice II (3) Prereq.: SW 7005. Majors only and credit for or concurrent registration in SW 7002, 7003, 7004, and 7009. Preparation for professional positions in social work with various types of groups including treatment groups and planning action groups; community organization techniques.

7007 Foundational I (3) Prereq.: majors only and credit for or concurrent registration in SW 7001, 7003, 7004, and 7005. Pass-fail grading. 1400 internship fee. Application of foundational knowledge; skills, values, and ethics to practice in an approved internship agency. 240 clock hours.

7008 Foundation Field Internship II (3) Prereq.: majors only and credit for or concurrent registration in SW 7002, 7006, 7008, and 7010. Pass-fail grading. 1400 internship fee. Continuation of knowledge of knowledge, skills, values, and ethics to practice in an approved internship agency. 240 clock hours.

7009 Social Work Research (3) Prereq.: majors only and credit for or concurrent registration in SW 7002, 7006, 7008, and 7010. Standards and methods of scientific inquiry applied in social work research; concept formulation; research design; sources, collection, and presentation of data.

7100 Differential Diagnosis (3) Prereq.: majors only and credit for or concurrent registration in SW 7007, 7008, 7009, and 7010. Diagnostic and treatment tools for examining the functional behavior of human behavior in the context of diverse social systems.

7200, 7201 Pioneering Colloquium in Social Work I, II (3,3) Prereq.: admission to the PhD program in social work or consent of instructor. Broad-ranging analysis and discussion of problems and issues in the social work profession.

7202 Issues and Research Problems in Social Policy (3) Prereq.: admission to the PhD program in social work or consent of instructor. Issues and problems in social welfare policy; research focus on policy formulation.

7203 Data Analysis Research I (3) Prereq.: admission to the PhD program in social work or consent of instructor. Introduction to data analysis for social work doctoral students, including organizing and presenting data, descriptive statistics, correlation, simple linear regression, inferential statistical methods for one and two samples, and an analysis of various data sets. 240 clock hours.

7204 Issues and Research Problems in Social Work Intervention (3) Prereq.: admission to the PhD program in social work or consent of instructor. Development of research questions and hypotheses for doctoral level social work research, including introduction, literature review, and methodology sections.

7305 Grief & Bereavement (3) Prereq.: completion of all foundation courses. Development of research questions and hypotheses for doctoral level social work research, including introduction, literature review, and methodology sections.

7306 Social Work Practice in Schools (3) Implementation of social work values, purposes, and methods in a school setting.

7401 Marital and Family Therapy Practice in Social Work (3) Prereq.: credit for or concurrent registration in SW 7002, 7004, and 7005. Pass-fail grading. Preparation for professional positions in social work practice with emphasis on the identification and modification of dysfunctional transactional patterns; facilitating communication; improving the quality of marital and family functioning.

7406 Social Work with Lesbian, Gay, Bisexual, and Transgender People (3) Prereq.: SW 7004 and SW 7005. Development of research questions and hypotheses for doctoral level social work research, including introduction, literature review, and methodology sections.

7409 Law and Social Work (3) Prereq.: completion of all foundation courses. Relationship of law to social work; statutes, cases, and doctrinal materials in personal and family breakdown; programs for income maintenance; Supreme Court cases concerning criminal justice, juvenile courts, and the rights of the confined.

7410 Comparative Social Welfare (3) Prereq.: SW 7003 and/or consent of instructor. Comparative analysis of international social welfare systems; differential cross-national social work systems; similarities and differences among nations.

7412 Social Work in Medical Care (3) Nature of social work practice in medical contexts; system and consumer problems; role of medical social workers.

7415 Child/Family I (3) Theories and skills of assessment and communication with children and families. 240 clock hours.

7416 Child/Family II (3) Prereq.: completion of all foundation courses. Theories and skills of assessment and communication with children and families.

7435 Data Analysis for Social Work Research I (3) Prereq.: SW 7003 or consent of instructor. Advanced data analysis for social work doctoral students with emphasis on multivariate techniques.

7455 Management in Human Services (3) Prereq.: completion of all foundation courses. Management in human services; procedures for obtaining and delivering services; organizational structures and functions in work settings with children and families.

7456 Data Analysis for Social Work Research II (3) Prereq.: SW 7003 or consent of instructor. Advanced data analysis for social work doctoral students with emphasis on multivariate techniques.

7457 Management in Human Services (3) Prereq.: completion of all foundation courses. Management in human services; procedures for obtaining and delivering services; organizational structures and functions in work settings with children and families.

7502 Advanced Field Internship I (3) Prereq.: majors only and credit for or concurrent registration in SW 7003, 7004, 7005, 7007, 7009, and 7010. Designs, research, and studies used in social work; research processes from specification to hypotheses and collection of data.

7503 Advanced Field Internship II (3) Prereq.: majors only and credit for or concurrent registration in SW 7003, 7004, 7007, 7009, and 7010. Designs, research, and studies used in social work; research processes from specification to hypotheses and collection of data.

7504 Community and Agency Contexts for Direct Practice (3) Prereq.: majors only and credit for or concurrent registration in SW 7003, 7004, 7007, 7009, and 7010. Community, organizational, and social aspects of social work practice; indirect practice skills associated with effective social work practice in multiple service environments.

7701 Task-Oriented Group Interaction in Social Work (3) Prereq.: majors only and credit for or concurrent registration in SW 7003, 7004, 7007, 7009, and 7010. Community, organizational, and social aspects of social work practice; indirect practice skills associated with effective social work practice in multiple service environments.

7804 Addictive Disorders in Contemporary Society (3) Topics related to addictive disorders in contemporary society; their relevance to social work practice.

7805 Co-Occurring Substance Use and Mental Disorders: Assessment and Intervention (3) Co-Occurring substance use and mental disorders and their prevention and treatment; relevant social work practice, policy and program development, and research.

7807 Special Topics in Social Work (3) Prereq.: consent of instructor. May be repeated once by PhD students if topics vary. Topics selected on social work and social welfare theory, practice, and policy.

7900 Independent Reading and Research in Social Work Practice (3) Prereq.: consent of instructor. May be repeated once by PhD students if topics vary.

7997 Public Policies and the Aging (3) Public policies that affect quality of life for the elderly; Older American's Act, Social Security Act, Medicare and Medicaid policies.

7998 Social Development: International Perspectives (3) Concepts of social development; extent of social underdevelopment in the modern world; theories and normative perspectives; social and national planning.

7999 Research Project: Nonthesis (3) Prereq.: completion of all foundation courses; consent of instructor. May be taken for a max. of 12 sem. hrs. of credit when topic varies.

8000 Thesis Research (1-12 per sem.) Prereq.: completion of all foundation courses and consent of instructor. Pass-fail grading. Research project, state of knowledge paper, or position paper.


SOCIOCY • SOCL

In this department, the second digit of the course number denotes the subject area of the course, as follows: 0—general courses; 1—theory; 2—methods and statistics; 3—social organization; 4—social institutions; 5—social issues; 6—social interaction; 7—population and ecology; 8—not used; and 9—reading and research (except for thesis research and dissertation research that are numbered 8000 and 9000, respectively).

General education courses are marked with stars ( ★ ).

1001 Human Societies (3) Comparative and historical analysis of human societies; major patterns of social change.

1050 Social Life in the United States (3) Open only to international students. An orientation course on people, culture, social institutions, and processes.

1481 Introduction to Science, Technology, and Society (3) Scientific and sociological analysis of scientific and technological institutions of science and technology, and public understanding of science.

2201 Population Issues (3) Social demography; interrelations between population and society.

2001 Introductory Sociology (3) Credit will not be given for both SOCL 2001 and SOCL 2002. Major subject areas and principles of sociology.

2002 HONORS: Introductory Sociology (3) Same as SOCL 2001 with a special honors emphasis for qualified students. Credit will not be given for this course and SOCL 2001.

2091 Selected Topics in Sociology (3) May be taken for a max. of 6 hrs. of credit when topic varies.

2201 Introduction to Statistical Analysis (4) 3 hrs. lecture, 2 hrs. lab. Prereq.: MATH 1021 or equivalent. Open to sociology majors; open to others with permission of instructor. Descriptive statistics; inferential statistical methods including confidence interval estimation and hypothesis testing for one and two population means and proportions; one-way analysis of variance; simple linear regression and correlation; analysis of categorical data.

2211 Methods of Sociological Research (3) Prereq.: SOCL 2001 and 2011; or equivalent. Open to sociology majors; open to others with permission of instructor. Scientific methods and their application in sociological research, including problem selection, research design, measurement, data sources, and evaluation of data.

2321 Natural Sociological Research (3) Prereq.: SOCL 2001 and 2011; or equivalent. Open to sociology majors; open to others with permission of instructor. Scientific methods and their application in sociological research, including problem selection, research design, measurement, data sources, and evaluation of data.

2421 Urban Sociology (3) Prereq.: SOCL 2001 and 2011; or equivalent. Open to sociology majors; open to others with permission of instructor. Scientific methods and their application in sociological research, including problem selection, research design, measurement, data sources, and evaluation of data.

2423 Social Analysis: Problems of Social Organization in Industry; relation of industry to community and society.

2501 Current Social Problems (3) Sociological analysis of major social problems in contemporary society; focus on both the institutional and personal causes and