Roy F. Knight, Dean
William J. Lauer, Associate Dean

Professors:

Associate Professors:
W. E. Martella, B.Arch. California (Berkeley); M. S. Moffett, Ph.D., Massachusetts Institute of Technology; V. Narancic, B.Arch. Belgrade.

Assistant Professors:

4101 Community Form (3) Patterns of community development. Selected historical and contemporary examples. Basic urban design issues and exemplary design approaches through lectures, readings, essays, and sketch studies. F


4811 Special Topics in History, Theory and Criticism (1-4) Special topics in history-related subjects. May be repeated. Maximum 6 hrs.

4815 Criticism Seminar (3) Theories, function, and techniques of architectural criticism. May be repeated. Maximum 6 hrs.

4830 Introduction to Preservation (3) History and theory of architectural preservation and restoration. F

4831 Preservation Technology (3) Techniques of preservation: dating, methods of analysis, history of materials and technology used in old buildings. W

4832 Descriptive Analysis of Historic Buildings (3) Identification and analysis of characteristic elements of buildings from various architectural periods with emphasis on American architecture. Survey techniques. Sp

4833 Preservation Law (3) Legal aspects of contemporary preservation activity.

4850 Elementary Structural Matrix Methods (4) Introduction to generalized matrix methods of analysis of structures. Review of matrix algebra and vectors; development of member stiffness and flexibility matrices; assembly of structure stiffness and flexibility matrices. Prereq: Consent of instructor. F

4870 Architectural Photography (3) Photography as a design, research and presentation medium. Emphasis on architectural photography using black and white media. F, W, Sp

4871 Advanced Architectural Photography (3) Application of special photographic techniques with emphasis on color printing and processing. Prereq: Consent of instructor. F, W, Sp

4887 Structural Design for Protection Against Extreme Hazards (3) Probability, risk, human values, insurance. Survey of possible hazards, floods, fire, hurricanes, and tornadoes, earthquakes, nuclear effects, internal and external explosions. Building code and engineered design of steel, masonry, concrete, and wood structures to resist extreme effects. Protective construction for human and system needs. Fire protection engineering, fire phenomena, life safety and analysis, high-rise building fires.


4940 Proxemics (4) Seminar for graduate students and upper division students. Introduction to proxemic research. Definition of proxemic variables. Proxemic notation exercises. Analysis of etic data and the identification of emic categories. Observer bias and methods of bias reduction. Members of seminar required to design, conduct, and present original proxemic research. Prereq: 2000 or consent of instructor.

W. E. Barnett, Director

MAJOR
Biomedical Sciences

DEGREES
M.S., Ph.D.

The University of Tennessee—Oak Ridge Graduate School of Biomedical Sciences, located within the Biology Division of Oak Ridge National Laboratory, offers programs leading to the Master of Science and Doctor of Philosophy degrees. The National Laboratory, one of three installations operated at Oak Ridge by Union Carbide Corporation for the Department of Energy, is a well-known center of basic research. The school utilizes the staff and facilities of this laboratory, and thus brings directly into the mainstream of full-time graduate study in the life sciences the talent and experience of that staff, as well as the most advanced research methods and technology.

The program of study, which incorporates a high faculty-to-student ratio, is based on intensive graduate courses supplemented by tutorial instruction, participation in a wide variety of seminars, and a heavy emphasis on communication skills, research training and independent study. The program encourages students to pursue graduate studies to the limits of their abilities.

The School is not departmentalized, and, apart from certain basic requirements, each student's curriculum is planned to meet individual needs, with the aim of giving: (1) strength in the basic sciences; (2) perception of the biomedical sciences as a whole; and (3) experience and training in a chosen specialty.

The research areas available for Master's thesis and Ph.D. dissertation work are biochemistry, biophysics, carcinogenesis, genetics, cellular, developmental and mammalian biology, and radiation biology. Included are such subjects as immunology, protein and enzyme chemistry, nucleic acid chemistry, cytology, radiation and environmental biology, virology, developmental biology, experimental pathology, microbial and mammalian genetics, mutagenesis, and problems of aging.

ADMISSION REQUIREMENTS

A Bachelor's degree or its equivalent is required. Students with M.S., D.V.M., or M.D. degrees are also encouraged to apply.

Completed applications, Graduate Record Examination scores and letters of reference should be sent to the address below. The student will need previous training in biology, calculus, physics, and organic and physical chemistry. However, a course in physical chemistry is offered by the School in order to meet this requirement. It is recommended that deficiencies in meeting entrance requirements be eliminated prior to entrance.

Requests for application forms, information on admission, financial support, and housing should be sent to:

Director, University of Tennessee—Oak Ridge Graduate School of Biomedical Sciences, Biology Division, ORNL, Box Y, Oak Ridge, Tennessee 37830.

THE DOCTORAL PROGRAM

Requirements for the Ph.D. degree are:

1. Satisfactory (B grade or better) completion of the following core courses or their equivalent: Biochemistry (5110-20); Biophysics (5140); Genetics (5150); Molecular Genetics (5170); Cell Biology (5180-90); Mammalian Physiology (5200); and Statistics for Biologists (5740).
2. Three quarters of Biomedical Sciences Laboratory (5310-20-30-40).
3. Participation in at least one of the seminars during each quarter of residence after the first year is strongly recommended.
4. Satisfactory completion of formal advanced courses in the areas of the student's interests. The number and nature of the required advanced courses will vary depending upon the student's background and area of specialization.
5. Pass both written and oral comprehensive examinations.
6. A dissertation reporting the results of original and significant scientific research. A minimum of 36 quarter hours of course 6000 is required.
7. A final oral examination on the dissertation.
8. A formal seminar presentation of the dissertation research.

SPECIAL MASTER OF SCIENCE DEGREE PROGRAM

The graduate faculty has designed a Master of Science program in Biomedical Sciences primarily to fill the need for such a degree within the Oak Ridge National Laboratories; however, a limited number of students from other institutions may be accepted if qualified and as space is available.

Requirements for the M.S. degree are:

1. Graduate credit or a proficiency in the following core courses: Biochemistry (5110-20); Cell Biology I (5180); Cell Biology II (5190); plus any three of the following four courses: Biophysics (5140); Genetics (5150); Molecular Genetics (5170); and Mammalian Physiology (5200). Additional credits may be obtained (6 to 15 credit hours) with electives.
2. Forty-five credit hours of approved graduate courses including a minimum of 9 quarter hours for thesis (maximum 18 quarter hours of credit for course 5000).
3. For admission to candidacy:
   Completion of any required prerequisite courses and one quarter of graduate course work with a B average. Admission to candidacy forms must be filed at least one full quarter prior to receipt of degree.
4. A Master's Committee of three approved faculty members upon admission to candidacy.
5. A thesis reporting results of original and significant scientific research.
6. Pass a final oral (or oral and written) examination as determined by the student's committee.

Full-Time Faculty

Professors:
D. Bitter, Ph.D. Tennessee; D. E. Olins, Ph.D. Rockefeller.

Assistant Professor:
M. D. Mannack, Ph.D. Baylor.

Research Professor:

Research Associate Professor:
C. T. Hackett, Ph.D. Washington.

Research Assistant Professor:
E. A. Hiss, Ph.D. Notre Dame.
Shared Faculty

Not all faculty listed are necessarily available in teaching and/or research roles in every academic year.

W. E. Barnett (Director), Ph.D. Florida State; D. G. Adair, Ph.D. Cornell; D. P. Allison, M.S. Tennessee; W. Au, Ph.D. Cincinnati; G. Brashawsky, Ph.D. Notre Dame; D. Banis, Ph.D. Pennszylvania; W. B. Barlow, Ph.D. Colorado; Ph.D. Princeton; R. B. Cumming, Ph.D. Texas; J. J. Dummont, Ph.D. J. Eistein, Ph.D. Harvard; J. L. Epler, Ph.D. Florida State; R. J. M. Fry, M.D. Dublin (Ireland); R. R. Fujimura, Ph.D. Wisconsin; L. D. Gilmour, Ph.D. Ontario. M. L. Generoso, Ph.D. Missouri; D. G. Gostele, Ph.D. North Carolina State; E. H. Grell, Ph.D. California Institute of Technology; R. F. Grell, Ph.D. Tennessee; R. A. Griesmer, D.V.M. Ohio State; W. D. Gude, M.S. Tennessee; F. C. Hartman, Ph.D. Tennessee Medical Units; B. Hingerty, Ph.D. Princeton; A. Hollander, Ph.D. Wisconsin; J. M. Holland, D.V.M. Kansas State; A. W. Hsie, Ph.D. Indiana; K. A. Jacobson, Ph.D. Johns Hopkins; S. Kennel, Ph.D. California (San Diego); F. T. Kentey, Ph.D. Johns Hopkins; P. A. Lally, Ph.D. New York (Buffalo); W. F. Larimer, Ph.D. Florida State; K. L. Lee, Ph.D. Tulane; J. W. Longworth, Ph.D. Sheffield (England); C. C. Lushbaugh, M.D. Chicago, A. C. Marchok, Ph.D. Connnecticut; W. E. Masser, Ph.D. Rochester; P. Mazur, Ph.D. Harvard; T. J. Mitchell, Ph.D. Wisconsin; R. M. Nix, Ph.D. Oregon State; S. K. Nigohi, Ph.D. Northwestern; E. F. Oakberg, Ph.D. Iowa State; T. T. Odel, Ph.D. Indiana; H. E. Paine, Ph.D. Utah; R. A. Poppe, Ph.D. Michigan; R. J. Preston, Ph.D. Reading (England); A. L. Regan, Ph.D. Hawaii; C. R. Richardson, Ph.D. New Mexico; L. B. Russell, Ph.D. Chicago; W. L. Russell, Ph.D. Chicago; G. A. Segal, Ph.D. Louisiana State; J. K. Selik, Ph.D. Syracuse; L. H. Shugart, Ph.D. Tennessee; L. H. Smith, Ph.D. Syracuse; J. L. Snyder, Ph.D. North Dakota; J. A. Stevens, Ph.D. Western Reserve; J. B. Storer, M.D. Chicago; P. A. Swenson, Ph.D. Stanford; J. Turner, Ph.D. Vanderbilt; R. L. Tyndall, Ph.D. Pennsylvania State; R. L. Ullrich, Ph.D. Rochester; V. R. Upjohn, Ph.D. Indiana; J. L. Vega, E. Volko, Ph.D. Duke; L. C. Waters, Ph.D. Georgia; C. H. Wei, Ph.D. Wisconsin; H. Witsch, M.D. Berne (Switzerland); W. K. Yang, Ph.D. Tulane.

Courses

The courses below are not necessarily taught every year.

5000 Thesis (1-15) P/NP only. E

5070-80 Physical Chemistry (3, 3) Thermodynamics, phase equilibria; chemical equilibria, electron transfer; structure of macromolecules; kinetic solutons, kinetics, conductance, viscosity, diffusion.

5110-20 Biochemistry (3, 3) Chemistry of carbohydrate, proteins, lipids, nucleic acids, and coenzymes; reactions and enzyme mechanisms; metabolism and photosynthesis; biosynthesis of amino acids, purines, pyrimidines, lipids, and macromolecules. Coreq: 5070-80.

5140 Biophysics (3) Energy levels and excited states of large molecules; optical instrumentation; adaptations to system perturbations; properties of macromolecules in solutions; molecular conformations; inter- and intramolecular forces; physical principles of microscopy. Prereq: 5070-80.

5150 General Genetics (3) Mendelian genetics, mitosis, and meiosis. Transmission genetics, mapping, linkage.


5170 Molecular Genetics (3) Molecular genetic processes. Gene regulation, coding protein synthesis; suppression of missense and nonsense mutations; mutagen mechanisms; complementation; recombination. Prereq: 5110-20, 5160.

5180 Cell Biology I (3) Structure and composition of major nuclear and cytoplasmic organelles of eukaryotic cells. Pertinent instruments and techniques; cell cycle; chromosomes and nuclear structure; nuclear RNA metabolism; nucleoli and ribosome biogenesis; survey of specialized cells. Structure, function, and regulation of transcription and translation in bacteria. Coreq: 5110.

5190 Cell Biology II (3) Comparative biochemical approach to cell structure and function. Membrane systems and metabolism; development and function of mitochondria, chloroplasts, peroxosomes and other organelles as related to metabolism and regulation of cell volume. Coreq: 5110, 5180. Coreq: 5120.

5200 Mammalian Physiology (4) Mammalian organ systems and their functions. Nervous, muscular, endocrine, digestive, respiratory, circulatory, reproductive, and excretory systems. Interrelationships of these systems and fundamental importance of interactions in contemporary biological research. Prereq: 5190.

5310-20-30-40 Biomedical Sciences Laboratory (3, 3, 3, 3) To acquaint students with both approaches and techniques in various areas of modern biology. Students spend a quarter in each of three or four laboratories conducting research in different areas of biological science. Required of all first-year students.

5340-60-90 Graduate Research Participation (3, 6, 9) Special advanced research project covering an area related to one of the courses. Topic must be chosen with consent of instructor. May be repeated.

5510-20-30-40 Special Topics in Biomedical Sciences (3, 3, 3, 3) Tutorial or formal lectures. Potential topics: virus replication and crystallization; excited-state biophysics; physical chemistry of macromolecules; computer science; pathology; cytology and cytopathology; mammalian genetics; human genetics; cancer research; plant physiology; radiation biology; aging research. Additional courses developed on any subject of mutual interest to individual students and staff members. May be repeated.

5740 Statistics for Biologists (3) Application and interpretation of statistical methods in data analysis. Random variations, normal, binomial, and Poisson distributions, statistical presentation of data; estimating means and variance, confidence intervals; tests of significance for comparing samples; analysis of variance; contingency tables; chi-square tests; correlation and association; linear regression. Prereq: 6750-20, Coreq: 5070.

5000 Doctoral Research and Dissertation (3-15) P/NP only. E


6240 Chemistry and Metabolism of Lipids (3) Nomenclature, chromatographic isolation, chemical properties, and enzymology of lipids. Hormonal action of prostaglandins and role of lipids in membranes, enzyme expression, and nervous tissue disease. Lipid biochemistry of mammals; comparative aspects, particularly lipid pathways in bacteria and yeast. Prereq: 5110-20.

6251 Molecular Biology of RNA (3) RNA synthesis and metabolism in prokaryotes, eukaryotes, and their viruses. Prereq: 5110-20 or consent of instructor.
Graduate School of Library and Information Science

Ann E. Prentice, Director

MAJOR
Library Science

DEGREE
M.S.L.S.

The Graduate School of Library and Information Science provides a program leading to the preparation of librarians and information scientists for work in all types of libraries and information centers. The program of study includes a graduate curriculum leading to the degree of Master of Science in Library Science.

MASTER OF SCIENCE IN LIBRARY SCIENCE

The goal of the program is to prepare graduates to function effectively in libraries and information centers. The program is designed to enable students to:

1. Examine critically the role and function of libraries and information centers in our society, and to define and redefine that role as the needs of society demand;
2. Understand and use the concepts and procedures related to the selection, acquisition, organization, and dissemination of knowledge;
3. Understand and apply the principles of management to the library and information center;
4. Assume individual and collective responsibility for the well-being and development of their profession and of professional service.

PROGRAMS OF INSTRUCTION

The program leading to the degree of Master of Science in Library Science involves a total of 51 quarter hours of graduate courses, 24 hours of which form a core curriculum required of all students. Either a thesis or a non-thesis option is available, with 9 hours allowed for thesis credit. At least 36 hours must be taken in the Graduate School of Library and Information Science, allowing up to 15 hours outside the School. Upon completion of the program, all students are subject to an examination. For students who elect the thesis option, the examination will be a defense of the thesis. Students who elect the non-thesis option will be given a written comprehensive examination. Programs are designed for persons interested in academic libraries, public libraries, school libraries, special libraries and information centers as well as a variety of library and information related activities.

The SREB Academic Common Market applies to applicants from Arkansas, Georgia, West Virginia, and Virginia.

ADMISSION REQUIREMENTS

The minimum grade point average for admission to The Graduate School is 2.5. Candidates who have at least a 3.0 average in the junior and senior years will receive first consideration. Applicants are required to take the aptitude test of the Graduate Record Examination. The test should be taken at least one quarter in advance of application for admission to The Graduate School.

Foreign applicants are required to take the Test of English as a Foreign Language.

APPLICATION PROCEDURE

Admission to the program in The Graduate School of Library and Information Science should be made in advance of the quarter for which admission is requested. Applicants should submit the "Application for Admission" (obtained from The Graduate School of Library and Information Science) should be made in advance of the quarter for which admission is requested. Applicants should submit the "Application for Admission" to the Director of the School.

FINANCIAL ASSISTANCE

Opportunities

Employment with the University of Tennessee Libraries may provide a work-study opportunity for selected students who wish to obtain experience in academic librarianship while pursuing the degree. Such students usually work at least 20 hours each week and thus extend the period required for the degree up to two years.

Simultaneous opportunities exist with some other libraries and information agencies in the Knoxville area.

Work opportunities in a scientific-technical environment are available through subcontracts with Oak Ridge National Laboratory and the Department of Energy.

A limited number of graduate assistantships are available through the School for the degree. Assistantships of this type carry a waiver of tuition and fees as well as a stipend, and require that recipients work 10 hours per week in the School.

Information on financial assistance is available from the Director of the Graduate School of Library and Information Science.

Faculty

Professors:

Associate Professors:

Assistant Professors:
M. H. Karrenbrock, Ed. D. Georgia; M. S. Stephenson, Ph.D. North Texas.

Courses

4140 Libraries and Librarianship (3) Librarianship as an occupation: its organization, responsibilities, problems and prospects. F, W, Su

4150 School Library Administration (3) Objectives, functions, and place of school library: relationship to local and state services; cooperative planning for quarters and materials: evaluation. (Same as Curriculum and Instruction 4150) W, Su

4270 Organization of Library Collections (6) Acquisitions, cataloging and maintenance of library collections. F, W

4310 History of the Book (3) History of writing and various methods of bookmaking from earliest times through 19th century. W

4330 Introduction to Reference Materials (3) Basic information sources and services for all libraries. F, W, Su

4750 Utilization of Instructional Media (3) Same as Curriculum and Instruction 4750 and Vocational-Technical Education 4750) E

5000 Thesis (1-15) F, P, N only. E

5002 Non-Thesis Graduation Completion (3-15) Required for the non-thesis student not otherwise registered during any quarter when such a student uses university facilities and/or faculty time before degree is completed. May not be used toward degree requirements. May be repeated. S/N/C only. E
5110-20-30 Problems in Library Science (3, 3, 3) May be repeated with consent of school. E
5140 Research Methods in Library Science (3) Research methods applicable to librarianship. Process and conduct of research; analysis of published research. W, Su
5200 Subject Reference and Bibliography (3) General patterns of bibliographical organization and basic information sources in subject fields including non-English materials; experiences in bibliographic methods and search techniques. Prereq: 4330. W, Sp, Su
5210 Sources and Services for the Social Sciences (3) English and non-English literature and bibliographical sources in sociology, economics, political science, history, geography, anthropology, psychology, and sociology; organization of collections for optimum use. Prereq: 5200. W
5220 Sources and Services for the Natural Sciences (3) English and non-English literature and bibliographical sources in mathematics, physics, astronomy, chemistry, geology, biology and medicine; organization of collections for optimum use. Prereq: 5200. W
5230 Sources and Services for the Humanities (3) English and non-English literature and bibliographical sources in literature and language, fine arts, music, philosophy and religion; organization of collections for optimum use. Prereq: 5200. W
5240 Organization of Library Collections II (3) Construction and maintenance of library catalog as retrieval instrument; indexing and subject analysis; theory, comparative classification with emphasis on Library of Congress system; and problems in reclassification. Prereq: 4270. F, Sp
5250 Government Publications I (3) Acquisition, organization, and utilization of U.S. federal government publications; legislative, executive and judicial branches. Prereq: 4330 or consent of instructor. F
5260 Government Publications II (3) Acquisition, organization and utilization of publications of state and local governments in U.S.; publications of foreign governments and international organizations; United Nations, UNESCO. Prereq: 4330 or consent of instructor. W
5270 Legal Bibliography (3) Introduction to literature of Anglo-American jurisprudence. Use of reports, statutes, administrative regulations and decisions, treaties, periodicals, and indexes as bibliographic tools. Sp
5300 Library Management (3) Management and organization concepts applicable to libraries and librarians. F, Sp
5310 Multitype Networks (3) Organization, structure, governance, planning, evaluation, and services in state, regional, national, and international networking of information. W, Su
5330 Academic Libraries (3) Persistent and current problems. Topics vary depending upon needs and interests of group. W
5355 School Library Media Program Management (3) Attitudes, knowledge and skills necessary to manage a school library media program at building and district levels. Curricular services and role of school library media program in curriculum development. Application of technology to program implementation. Prereq: 4150 or consent of instructor. Sp
5360 Special Libraries and Information Centers (3) Development and present status, scope and objectives, administration and organizational problems, acquisition, organization, and use of information. W
5370 The Library in the Community (3) Public library as social agency; role in education and communication systems of community. F
5380 Seminar in Library and Information Science (3) Advanced study of varying topics. Prereq: Consent of instructor. May be repeated. Maximum 6 hrs.
5400 Library Facilities (3) Problems inherent in planning and construction of library quarters. Inter-
The Graduate School of Planning offers a program of studies leading to the professional degree of Master of Science in Planning (M.S.P.). Students may elect to build concentrations in land use planning, community development, energy planning, environmental planning, quantitative methods, housing, historic preservation, or transportation planning to complement the core curriculum.

MAJOR

The M.S.P. degree program prepares planners for a diversity of career opportunities in both the public and private sectors. Graduates are candidates for professional positions in regional, city, county, and metropolitan planning agencies; in local, state, and federal agencies concerned with physical, economic and administrative planning; in private business and organizations dealing with development problems; and in private consulting practice.

The degree program typically requires a minimum of six quarters, or 72 credit hours. A core curriculum of 40 hours is required of all candidates. Twenty-three or more additional hours of elective course work and hours for the required thesis or major paper enable the student to pursue special interest areas or topics in the field of urban and regional planning. Elective courses may be selected from courses offered by the School of Planning or by related University departments and programs such as geography, civil engineering, environmental engineering, ecology, real estate and urban development, public administration, and public health.

Elective courses are chosen with the advice and approval of the student’s faculty advisor. A work internship is recommended, but not required, during the summer between the first and second year of the program. Students who do not have prior experience in comprehensive plan preparation are advised to enroll in an intensive credit-hour synthesis project course. The required thesis or major paper option provides the student an opportunity to develop and apply research and analytical skills to a particular planning problem or topic.

Core planning courses are taught by the faculty of the Graduate School of Planning. Related courses are taught by other specialists drawn from the University faculty. In addition, experienced professional planners in TVA and other public and professional organizations frequently teach courses on a visiting basis. Each year a guest lecture series brings to the University and the School outstanding leaders in the fields of planning and development.

The Graduate School Planning is accredited by the American Planning Association.

ADMISSION PROCEDURES

All applicants should submit two letters of recommendation with their applications. Reference letters should be from teachers familiar with the applicant’s undergraduate or, where applicable, graduate academic record. If the applicant has had prior planning experience, a letter from a supervisor or other person familiar with the work of the applicant should also be provided.

Graduate Record Examination scores are not required, but if available, may be provided at the option of the applicant.

All applicants are also requested to submit a statement of career goals.

The M.S.P. degree is approved for SREB Academic Common Market participation in Arkansas, Georgia, Kentucky, and West Virginia.

All inquiries concerning admission should be addressed to: Director, Graduate School of Planning, The University of Tennessee, Knoxville, Tennessee 37996-3300.

FINANCIAL ASSISTANCE

Employment at the Graduate School of Planning Research Center, at local planning agencies, the Tennessee Valley Authority and Oak Ridge National Laboratory may provide an opportunity for selected students to obtain part-time experience while pursuing the degree. Such employment, however, usually extends the period required to complete the degree.

A limited number of graduate assistantships are available through the School. Assistantships carry a waiver of tuition and fees as well as a stipend, and require that recipients work 10 hours per week in School of Planning assignments. Applicants interested in being considered for assistantships and other forms of financial assistance available through the School should submit an application for financial aid to the Director.

DEGREE REQUIREMENTS

Each student will be required to complete a minimum of 72 hours credit of which 46 hours must be in courses offered in planning.

The following courses are the required core curriculum for the M.S.P. degree: 5100, 5110, 5130, 5141, 5180, 5230, 5270, 5280, 5340, 5440, 5465. Students who have had previous academic work equivalent to any required core course may petition for a waiver, which can be granted upon demonstration of competence. A proficiency examination may be arranged for students wishing to receive academic credit for previous work.

Each student will be required to demonstrate competence in individual research. This may take either of two forms. Plan I—Complete a thesis for 9 hours credit; Plan II—Complete a major study with acceptable documentation. In order to be eligible for the major study plan the student must have completed at least 48 hours of graduate course work and have attained at least a 3.5 cumulative grade point average (at the time of approval of the major study proposal) in at least 24 hours of planning core curriculum courses. The student meeting these criteria may present a proposal to his/her committee for a major study which will include at least 9 hours of subsequent elective course work related to the study topic. The proposal shall justify the selection of topic, problem or issue and the approach to the study.

Students in the Graduate School of Planning must pass a comprehensive written examination after approximately five quarters of course work.

Faculty

Professors:

Courses

4100 Survey of Planning (3) History of city development and of planning with special attention to the U.S. experience in urban and other levels of planning. State of the art, the process, the comprehensive plan, implementation devices. Planning issues in society. Not for credit for M.S.P. degree. F

5000 Thesis (1-15) P/NP only. E

5002 Non-Thesis Graduation Completion (3-15) Required for the non-thesis student not otherwise registered during any quarter when such a student uses university facilities and/or faculty time before degree is completed. May not be used toward degree requirements. May be repeated. S/NC only. E

5005 The Planning Process (3) Identification and examination of generic aspects of planning process and planning techniques applied in variety of settings. Not for credit for M.S.P. degree. F, S, W

5040 Communications for Planners I (1) Introduction to basic communications, interpersonal and oral communications, graphic presentations, audiovisual equipment. W

5045 Communications for Planners II (1) Graphic communications in planning. Maps and mapping, computer graphics, models and presentation graphics. Prereq: 5040. W

5050 Communication for Planners III (1) Audiovisual equipment, programmed communications, and photography used in planning. Prereq: 5045. E

5100 Theory of Planning (3) Analysis of nature and objectives of planning process; role of planner and planning function in public decision-making. Prereq: 5110. W

5110 Introduction to Planning (4) History of planning, familiarization with operations of contemporary planning, concept of systems, current trends and issues. Relationship between planning and society in which it occurs. Designed for GSP students. F, Su

5130 Planning Research Methods I (3) Research techniques in subject areas associated with city and regional planning. Research tools, data collection and analysis as basis for planning and decision-making. F, Su

5135 Planning Research Methods II (3) Application of rigorous investigation techniques in solving planning problems, including statistical analysis and mathematical models. Urban and regional information systems as resource and tool in problem identification and solution. Prereq: 5130. Sp

5141 Statistics for Planners (4) Applications of basic descriptive and inferential classical and non-parametric techniques in planning research. Data organization and display; measures of location, dispersion and association; data transformations; some basic probability theory; selected one and two sample tests; correlation and regression analysis. Prereq: 5130 or consent of instructor. W

5145 Library Research for Planning (1) Survey of publications of interest to planners, including resources and research techniques. Use of facilities and collections of UTK library. F

5160 Planning and Utilities (3) Planning for adequate water supply and sewage waste disposal in the urban environment. Impact of utility patterns on area development, and problems of utility service policies.

5170 Planning for Historic Preservation (3) Planning for preservation and restoration and conservation of historic buildings, areas and sites as related to comprehensive planning process. National, state, and local government role in preservation, designation of sites, legislative needs, financing and administrative organizations.

5180 Planning Analysis and Forecasting (4) Methods of quantitative analysis and modeling in urban and regional studies. Population, employment, and economic base studies with emphasis on forecasting techniques. Prereq: 5130. Sp

5230 Urban and Site Design (3) Principles of design of residential subdivisions and some components of physical community such as shopping centers, institutional complexes, central business districts. Problems of reviewing alternative designs against each other or written regulations. Extensive laboratory experience. F, Sp, Su

5235 Advanced Urban and Site Design (3-6) Review of principles of urban and site design and laboratory application to selected project of projects involving three dimensional integrated planning of movement systems, activity patterns and land use. Prereq: 5230 or consent of instructor.

5270 Planning and Transportation (3) (Same as Civil Engineering 5270.) W

5280 Planning Methods (6) Tooling up studies; methods for preparation of land use and public facility elements of comprehensive development plans, including visual aspects. Prereq: 5180. Sp

5300 Regional Planning (3) Making planning process operative in intergovernmental context. Theories of regions and analysis of metro planning, area planning, regional planning by states, single-purpose agency planning, and TVA. Prereq: 5110 or consent of instructor.

5310 State Planning (3) Evolution of planning function in state government, with emphasis on institutional environment in which planning occurs. Content and scope of state planning, and relationships with other branches and levels of government. Prereq: 5110 or consent of instructor.

5340 Implementation (3) Policy formulation, information systems, taxation, capital improvement programming, and other aspects of plan implementation. Programming public actions to affect development. Prereq: 5440. W

5360 New Towns (2) Historical development of planned new towns and implications for national urbanization policy in United States; process by which new towns are created, from establishment of objectives to administration of development process and provision of public services: organizational alternatives for new town planning, development and management in context of past experience and future objectives. Prereq: 5110 and consent of instructor.

5380 Housing (3) Nature and demand for housing in U.S. and abroad with emphasis on U.S. experiences. Private market processes and public influences. Problems of change in housing supply, impact of new technology, and governmental programs to enforce supply and quality of housing. Coreq: 5110 or consent of instructor.

5410-20-30 Special Topics in Planning (1-3, 1-3, 1-3) Lecture, group discussion, and individual research and study on specialized topics in planning not covered in depth in other courses. May be repeated. Prereq: Consent of instructor. E

5435 Planning and Government (3) Governmental context within which planning occurs. Policy making as public process. Planning structures, powers, and policies. F

5440 Planning and Land Use Controls (4) Legal basis for planning and guiding community development. Exercise of police power and eminent domain. Development and administration of zoning, subdivision controls, and related devices. Prereq: 5455. F, Su

5455 Urban Revitalization (3) Goals, principles and strategies for restoring and revitalizing cities. Review and analysis of historic, current, and proposed public and private investment programs aimed at urban revitalization. Physical building and restoration activities as related to financial and administrative requirements. Relationship between construction oriented activities and economic and social development programs is emphasized. Prereq: 5110 or consent of instructor.
The University of Tennessee School of Social Work is a fully accredited two-year graduate professional school, with a program (thesis or non-thesis option) leading to the degree of Master of Science in Social Work. The full two-year curriculum is offered in all three branch locations.

GRADUATE PROFESSIONAL EDUCATION

The School of Social Work has as its primary objective the education and training of persons for leadership in the social welfare profession and the social work practice community. Leadership roles include positions in social welfare administration, social planning and policy development, and positions as treatment team leaders, supervisors, consultants, and expert practitioners.

Central to professional leadership are a commitment to the values and goals of the profession and a developed capacity for self-awareness and self-discipline. The experience of a graduate professional education builds commitment, and the School's program guides students into independent, analytical thought and prepares them to use their skills and knowledge to effective purpose.

The School of Social Work recognizes and enjoys the challenge of cultural pluralism in society and encourages applications for admission from minority group members. Through the planned inclusion of significant and pertinent racial and ethnic content in the curriculum, the School provides students with the educational background needed to take creative roles in the social work profession's efforts toward the elimination of racism and such other social ills as poverty, crime, neglect, and social injustice.

A special bulletin describing the facilities, admission, fees, and degree requirements is obtainable from The School of Social Work, Henson Hall, Knoxville, Tennessee 37996-3333.

AREAS OF PROFESSIONAL PRACTICE

Specializations within the School's curriculum prepare students for social work careers in such practice fields as criminal and juvenile justice systems; family and child welfare services in public and voluntary agencies; group services in neighborhood and community centers; health services; mental retardation; public welfare services; mental health services; rehabilitation services; school social work; and social gerontology.

THE PROFESSIONAL CURRICULUM

The School of Social Work's curriculum is designed to provide the student with the basic components of professional competence through a progression of course work and supervised practice experience. Students may elect a thesis or non-thesis option. The two-year, six-quarter program includes a core curriculum, a specialization in one of two areas—social work treatment or social welfare administration and planning—and an opportunity to elect a concentration emphasis in a field of practice.

THE PROFESSIONAL FOUNDATION

The professional foundation is a 30-quarter hour sequence of five basic courses required of all students before entering either of the concentration programs. As the initial phase of the school educational program, the foundation curriculum contributes to the process of socialization and professional identification, and presents students with a comprehensive and broad knowledge base from which to operate in the future as practitioners administrators, and planners.

Credit Hours

Fall Quarter, First Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>5070</td>
<td>Social Work Research I</td>
<td>3</td>
</tr>
<tr>
<td>5110</td>
<td>Social Welfare Policy and Services I</td>
<td>3</td>
</tr>
<tr>
<td>5210</td>
<td>Human Behavior and Social Environment I</td>
<td>3</td>
</tr>
<tr>
<td>5410</td>
<td>Social Work Practice I</td>
<td>3</td>
</tr>
<tr>
<td>5910</td>
<td>Field Practice</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL QUARTER HOURS</td>
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Winter Quarter, First Year

<table>
<thead>
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<th>Course Code</th>
<th>Course Title</th>
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</thead>
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<tr>
<td>5520</td>
<td>Social Work Research II</td>
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<tr>
<td>5120</td>
<td>Social Welfare Policy and Services II</td>
<td>3</td>
</tr>
<tr>
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<td>Social Work Practice II</td>
<td>3</td>
</tr>
<tr>
<td>5920</td>
<td>Field Practice</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL QUARTER HOURS</td>
<td></td>
<td>15</td>
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THE REQUIRED CONCENTRATION

Upon completion of the foundation curriculum (at the beginning of the third quarter), each student selects a concentration in either social work treatment or social welfare administration and planning and devotes the final four quarters of the program to required concentration courses and electives. Students must take 12 hours in their required concentration and may take courses in the other required concentration as electives. Although each branch offers a variety of elective courses, not every elective is offered every year at each branch.

Credit Hours

Spring Quarter, First Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>5930</td>
<td>Field Practice</td>
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<tr>
<td>5130</td>
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<td>TOTAL QUARTER HOURS</td>
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Fall Quarter, Second Year

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tr>
<td>5940</td>
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<td>5140</td>
<td>Specialization Courses and Electives</td>
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Spring Quarter, Second Year

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<tr>
<td>5950</td>
<td>Field Practice</td>
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<tr>
<td>5961</td>
<td>Integrative Seminar</td>
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<tr>
<td>ONE ELECTIVE</td>
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<td>2 or 3</td>
</tr>
<tr>
<td>TOTAL QUARTER HOURS</td>
<td></td>
<td>12 or 13</td>
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</table>

AREAS OF SPECIALIZATION

Social Work Treatment

The social work treatment concentration provides the educational basis for practice with individuals, families, and groups in order to enhance their social functioning, ameliorate problems, and prevent social dysfunction. The specialization attempts to develop a thorough knowledge of the theory and methodology basic to varied individual, family, and group methods applicable in the treatment of diverse client problems.

Credit Hours

Fall Quarter, First Year

<table>
<thead>
<tr>
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<tbody>
<tr>
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<td>Social Work Research I</td>
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<td>Social Welfare Policy and Services I</td>
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</tr>
<tr>
<td>5210</td>
<td>Human Behavior and Social Environment I</td>
<td>3</td>
</tr>
<tr>
<td>5410</td>
<td>Social Work Practice I</td>
<td>3</td>
</tr>
<tr>
<td>5910</td>
<td>Field Practice</td>
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</tr>
<tr>
<td>TOTAL QUARTER HOURS</td>
<td></td>
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</table>

Winter Quarter, First Year

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>5520</td>
<td>Social Work Research II</td>
<td>2</td>
</tr>
<tr>
<td>5120</td>
<td>Social Welfare Policy and Services II</td>
<td>3</td>
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<tr>
<td>5220</td>
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<td>Social Work Practice II</td>
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<tr>
<td>5920</td>
<td>Field Practice</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL QUARTER HOURS</td>
<td></td>
<td>15</td>
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</tbody>
</table>
Social Welfare Administration and Planning
The social welfare administration and planning concentration provides the educational basis for leadership in the design, implementation, and continued delivery of effective human service programs at local, state, and regional levels. This concentration emphasizes theories and skills related to administration and planning, and permits considerable flexibility in tailoring a program to fit the student's individual interests, capabilities, and career goals.

FIELD PRACTICE
Field instruction is a critical component of the student's first- and second-year program. Because of the UT School of Social Work's cooperation with a wide range of social agencies and human service programs in the principal cities in Tennessee and areas immediately adjacent to the State, the School is capable of selecting, according to a variety of social work practice areas. The faculty works closely with the placement agency and the field instructor to assure that the student has a quality field practice experience which meets the objectives of the core curriculum and the specialization.

The first-year curriculum is on a concurrent class and field plan, with students engaged in classroom study two or three days per week and in field practice the remainder of the week. First-year agency placements are selected to provide the student with practice experiences related to the core curriculum content and beginning specialization. Within the placement, each student's experiences are planned and designed according to the educational needs.

In the second year, students are engaged full-time in classroom courses during the fall quarter. The winter and spring quarter plan consists of a block field placement of four days per week and at least one concurrent classroom course each quarter. Second-year placements are selected according to the student's area of specialization, individual career interests, and educational needs. The student actively participates with the field practice coordinator and the specialization committee in selecting the second-year placement. The second-year field practice experience focuses on the integration of social work knowledge and values, and emphasizes the acquisition and development of full practice skills.

Students are responsible for meeting the requirements of their placement agencies in terms of office hours and workload coverage. This responsibility takes precedence over scheduled University breaks and may result in variations in holidays and office hours for the student.

DEGREE REQUIREMENTS
1. Satisfactory completion of the curriculum.
2. All courses taken as part of the degree programs, whether taken within the School of Social Work or outside, must be acceptable for graduate credit, relevant to social work and to the student's career objectives, and have the approval of the student's faculty advisor.
3. Achievement of a B average on all work presented for the Master's degree.
4. Completion of each required course at a satisfactory level (a grade of C or above).

Graduate courses may not be repeated to raise a grade.
5. Students who elect a thesis must pass an oral examination conducted by a faculty committee.
6. Students who elect a non-thesis option must pass a written comprehensive examination.
7. Credits to be counted toward the degree must be earned within six years from the beginning date of the earliest course applied toward the degree, except in cases where permission to update courses has been granted.
8. The minimum number of credit hours required for a degree shall be 79 hours including a maximum of 36 S/NC hours.
9. Performance at a satisfactory level in field practicum, which is designed to teach professional practice skills.

ADMISSION REQUIREMENTS
Admission to the professional curriculum is based on the following requirements:
1. A Bachelor's degree from an accredited college or university in the social sciences. At least three-fourths of the applicant's undergraduate work should be in the social sciences, humanities, physical sciences, and other liberal arts subjects.
2. A grade point average of 2.5 on a 4.0 scale. Those falling below the average will be evaluated on supplemental evidence of ability to perform at a satisfactory level.
3. Personal qualifications acceptable for entrance into the professional practice of social work.
4. Preference is given to applicants with a B average in undergraduate work and substantial preparation in the social sciences. Applications should be filed no later than March 1 for the year in which admission is desired.

THE ADMISSIONS PROCESS
Individuals who wish to be considered for admission must submit the following application materials to the Office of Admissions, UT School of Social Work, Henson Hall, Knoxville, TN 37996-3333, telephone (615) 974-3175, or one of the Branch offices. Beginning students are admitted only in the fall quarter. Applications for first-year admission should be filed as early as possible. A minimum of six weeks should be allowed for consideration of the application. Students intending to apply for financial aid are encouraged to apply for admission to the School as early as possible. By doing so, students should be able to meet financial aid application deadlines, many of which are April 1 for September funding.

To apply for admission, applicants should forward the completed Graduate School Application and payment of a nonrefundable $10 application fee to The Graduate School, The University of Tennessee, Knoxville. Two official transcripts of all undergraduate, graduate, and extension work (except work taken at The University of Tennessee, Knoxville) should be sent to the Graduate School immediately after filing the Graduate Application for Admission.

The completed University of Tennessee School of Social Work Application for Admission and three reference forms should be returned to the Admissions Office of the School of Social Work.

If a personal interview is required by the School, the applicant will be contacted by a representative of the School and arrangements will be made concerning a time and place. Applicants may request a personal interview with a faculty member if they wish.

ACCELERATED PROGRAM
The University of Tennessee School of Social Work has a special accelerated program which enables eligible candidates to complete the M.S.S.W. degree in four quarters. This Accelerated Program is approved by the Council on Social Work Education. Students who qualify for the Accelerated Program must:
1. Have achieved a 3.0 or above grade point average (on a 4.0 scale) in undergraduate work.
2. Have completed an undergraduate major in social work from a program accredited by the Council on Social Work Education, or an undergraduate major in a related area which included a supervised field practice component, or have completed at least two years of full-time employment in social work practice.
3. Pass a qualifying examination administered by the School of Social Work faculty in early spring.

The accelerated programs begin in the Knoxville and Memphis branches in March and in the Nashville Branch in June with an intensive ten-week term from which students proceed in the fall into the regular second-year curriculum. Application for admission to the accelerated program is through the regular admission process. Applications should be filed not later than December 31 for the Memphis and Knoxville programs, and not later than January 31 for the Nashville program.

PART-TIME PROGRAM
Planned part-time programs are available in all three branches of the School. Admission requirements are the same as for full-time study. Course work can be completed over a three- or four-year period. Applications should be made to the School as outlined above.

TRANSFER CREDITS
Courses completed in another accredited graduate school of social work are usually accepted for The University of Tennessee School of Social Work degree requirement providing the applicants meet the admission requirements of The Graduate School and The University of Tennessee School of Social Work. If previous courses are equivalent to required or elective courses offered here, the University of Tennessee School of Social Work allows a maximum of 45 credit hours of graduate course work taken at another accredited institution to be transferred into the student's Master's program. Such work must have been taken for graduate resident credit and passed with a B or better. In addition, it must be part of an otherwise satisfactory graduate program (B average) and be approved by the branch director and the dean. This course work must be completed within the six-year period prior to the receipt of the...
degree. In addition, S/NC credit earned for the field practicum is also accepted.

THE DOCTORAL PROGRAM

The UT School of Social Work offers a Doctor of Philosophy degree with a major in Social Work. This newly approved Ph.D. program began fall quarter, 1983.

The focus of social work education at the doctoral level is to foster the development within students of an attitude of scientific inquiry, competence in applying scientific method to improve and extend the knowledge base of social work practice and commitment to reflect this attitude, and competence in leadership roles in social work education, research, and practice.

The character of the UT School of Social Work doctoral program will be derived from its focus upon:

—Analysis and evaluation of the interrelationships between direct intervention and administration and planning practice and between each of them and their social policy, programmatic, organizational and community context.

—Development, within this interrelational framework, or research-based knowledge to inform and guide social work practice, social policy, planning and social welfare program development.

The core courses will be offered in four quarters on the Knoxville campus. After this, students will be assigned to one of the three Branches for an internship and to complete dissertation research under the supervision of qualified faculty. For example, students interested in health care could be assigned to the Memphis Branch where there are opportunities for internships and for research in health care.

Requirements for admission to the doctoral program are being developed. Inquiries and requests for admission should be sent to:

Program Admissions, UT School of Social Work, Henson Hall, Knoxville, TN 37996-3333, (615) 974-3175.

Graduate students majoring in fields other than social work are admitted to certain social work courses with the approval of the School of Social Work and the student's major professor.

Faculty

Professors:
R. P. Granger (Dean), Ph.D. Brandeis; M. H. Bloch, M.S. Ohio State; R. C. Bonovich, D.S.W.

Associate Professors:
M. A. Cates, Ph.D. Western Reserve; J. A. Ford, M.S.W.
Peabody; J. V. A. Fryer, Ph.D. Washington.

Graduate students majoring in fields other than social work are admitted to certain social work courses with the approval of the School of Social Work and the student's major professor.

Assistant Professors:
P. M. Campbell, M.S.S.W. Tennessee; J. Charing, Ph.D. Pennsylvania; J. Collier, M.S.S.W. Tulane;
H. P. Coves, Ph.D. Western Reserve; C. Faust, M.S.S.W. Tennessee; A. R. Ford, M.S.W. Atlanta;
D. L. Gates, M.S.S.W. Tennessee; D. Isidburg, Ph.D. Washington; D. C. Johnson, M.S.S.W. California (Berkeley); C. Lowry, M.S.S.W. Michigan; M. S. W. Ohio State; M. P. Strong, M.S.S.W. Tulane.

Courses

5000 Thesis (1-15) P/NP only. E
5002 Non-Thesis Graduation Completion (3-15) Required for the non-thesis student not otherwise registered and who has been selected when such a student uses university facilities and/or faculty time before degree is completed. May not be used toward degree requirements. May be repeated. S/NC only. E
5070-80 Social Work Research I, II (2, 3) Research methodology as applied to problems in social welfare; problem formulation; research design; instrument construction; data collection, analysis, and presentation; and research reporting. F; W
5081 Evaluative Research in Social Work (2-3) Advanced research course. Topics include sociopolitical and organizational context of evaluative research, research methodology appropriate to evaluative research, and utilization of research findings. Prereq: Completion of core or consent of instructor.
5082 Practicum in Social Work Research (3-9) Supervised practice in application of research methods and tools to social welfare program. Problem may be generated by faculty, students, or social welfare agency or organization. Prereq: 5070-80 and consent of faculty member conducting investigation. S/NC only. Sp
5083 Directed Readings in Research (2-4) May be repeated with approval of instructor. Maximum 4 hrs. F, W, Sp
5090 Special Problems in Social Work (2-6) Individual study or research on problems of special significance to student's program, under supervision of major professor. May be repeated. F, W, Sp
5110 Social Welfare Policy and Services I (3) Interests of social work profession in development of contemporary social policy at local, state, national, and international levels of organization. Contribution social work professionals can make to formal policy-making process through which macro-social change is effected, and through which aggregate social welfare services are proposed, authorized, financed, and programmed. Policy lab may be used to focus on beginning part of quarter. F; W
5120 Social Welfare Policy and Services II (3) Examination of theories of complex organizations applied to social welfare service delivery settings. Transformation of collective social welfare resources into divisible and indivisible social welfare benefits through organized instrumental action of professional nature. W
5130 Social Policy Analysis (2-3) "Policy science" techniques for problem identification in assessing social, political, and economic implications of social policy proposals. Prereq: Completion of core or consent of instructor. Sp
5151 Social Welfare Seminar (2-3) Problem area or field of practice seminar focusing on substantive knowledge about social problem or condition and interrelationships among problem definition, social policy, social welfare program, and social work practice. Fields such as health, mental health, child and family welfare, group dynamics, education, correction, housing, labor force development, income maintenance, and aging. Prereq: Completion of core or consent of instructor. May be repeated. Maximum 9 hrs. W, F
5210-20 Human Behavior and Social Environment I and II (3, 3) Examination of theories pertaining to individual, family, and small group within context of functions, roles and processes. Behavior of these systems conceptualized along functional-functional and normal-deviant continuum. Organizing themes, development and maturation, adaptive and deviant mechanisms. Open system approach used to understand interrelationship of biological, psychological, and social variables with emphasis on implications of culture and ethnicity. F; W
5290 Special Accelerated Program in Social Work (15) Ten-week program providing qualified students with intense training in social work experience that qualifies them to enter second year of graduate study upon successful completion of this term. S/NC only.
5310 Human Behavior and Social Environment (2-3) Deepens and extends student's knowledge of or range of adaptive behavior; continuum of behaviors from optimum social functioning through pathology. Prereq: Second-year status. May be repeated.
5311 Imaginative Perspectives on the Human Condition (2-3) Examination of usefulness to social work students of prose, drama, and poetry, which illuminates and expands knowledge and appreciation of every person's humanness. Adaptive and maladaptive response to ordinary and extraordinary life situations and events, portrayed by creative writers. Artistic representation of molding of human personality and spirit through interaction of persons with one another and with self. Prereq: Completion of core or consent of instructor.
5312 Psychopathology and Social Deviance (2-3) Theories of and recent research in etiology of physical, emotional, and social variance. Categorical approach to psychopathology examined and differentiated from other approaches to human behavior. Prereq: Completion of core or consent of instructor.
5313 Deviant Behavior of Children and Youth (2-3) Deviant behavior and conduct disorders in children and youth, etiology, symptomaticology, and range of social services and treatment modalities. Prereq: Completion of core or consent of instructor.
5315 Human Sexual Problems (2-3) Desensitization and re-sensitization of personal and social attitudes toward sexual behavior, clinical problems and approaches to make social workers better able to deal with clients with sexual problems. Prereq: Completion of core or consent of instructor.
5410 Social Work Practice I (3) Basic theory, values and goals of social work intervention at various social work settings. Prereq: Completion of core or consent of instructor. F
5411 Social Work Practice II (3) Application of social work practice to assist in acquiring skills in treatment of family as unit. Prereq: Completion of core or consent of instructor. W
5412 Social Work Practice III (3) Assessment, planning, and implementation of social work services to meet needs at every level. Prereq: Completion of core or consent of instructor.
5420 Social Work Practice IV (3) Assessment, planning, and implementation of social work services to meet needs at every level. Prereq: Completion of core or consent of instructor.
5440 Family Therapy in Social Work Practice (2-3) Application of social work practice to assist in acquisition of skills in treatment of family as unit. Prereq: Completion of core or consent of instructor. W
5441 Transactional Analysis (2-3) Philosophy, theory, and therapeutic technique of transactional analysis. Lectures, readings, and experiential methods facilitate acquisition of knowledge and skills to use transactional analysis as treatment modality. Prereq: Completion of core or consent of instructor.
5442 Short-term Treatment (2-3) Theory and practice of short-term treatment focusing on nature of methods, characteristics of clients responsive to this approach, and design and implementation of short-term treatment services. Specific techniques of assessment and treatment applied to practice with individuals in crisis. Prereq: Completion of core or consent of instructor. W
5443 Seminar on Behavior Therapy (2-3) Behavior modification methodology applied to clinical assessment, choice of designs to assess treatment in-
tervations, skill in evaluating data on effectiveness of treatment interventions. Prereq: Completion of core or consent of instructor. May be repeated. Maximum 6 hrs. Sp

5444 Social Work Practice with the Poor (2-3) Problems, issues, and dilemmas of practice in social services with poor and attributes of service-delivery systems which are possible. Prereq: Completion of core or consent of instructor.

5460 Social Work Treatment with Individuals and Families (3) Social work literature, social casework as a mode of social work practice and as form of interpersonal treatment. Prereq: Completion of core or consent of instructor. Sp

5470 Contemporary Treatment Modalities: Individual and Family (2-3) Well-established and developing treatment modalities in terms of essential concepts. Differential facets and theory-based linkages. Prereq: Completion of core or consent of instructor. F

5480 Special Topics in Social Work Treatment (2-3) Treatment with individuals, families, and small groups. Prereq: Completion of core or consent of instructor. May be repeated. Maximum 9 hrs. F, W, Sp

5560 Social Work Treatment with Groups (3) Development of knowledge and skill in use of group methods in social work practice; organization and forming group, structuring group tasks and experiences. Planning, enabling problem-solving effectiveness, facilitating transfer of change, and evaluating individual characteristics of groups. Prereq: Completion of core or consent of instructor. Sp

5561 Interpersonal Skill Development (2-3) Training group employed to enhance interpersonal competence in application of human relations skills in social work practice. Prereq: Completion of core or consent of instructor.

5570 Comparative Methods of Group Treatment (2-3) Comparative analysis and critical review of theory and methodology of some of major group treatment modalities with emphasis on theory-base, leadership, techniques and procedures, and research. Prereq: Completion of core or consent of instructor. A

5601 Social Work in Rural Communities (2-3) Characteristics of rural populations and rural community analysis. Outline and analysis of rural social services and delivery systems. Development of social work generalist concept and occupational function in rural areas. Prereq: Completion of core or consent of instructor. W

5661 Community Organization (2-3) Using behavioral and social science knowledge about communities and organizations to assist in development of resources to meet needs. Prereq: Completion of core or consent of instructor. Sp

5670 Social Planning (2-3) (Same as Planning 5670). F

5671 Planning and Management of Change in Social Welfare (2-3) Theories and models of change such as planned change, conflict, and evolutionary change in relation to organizational change, community improvement, locality development, and economic development related to social welfare services. Prereq: Completion of core or consent of instructor. F

5702 Organizational Design of Social Welfare Agencies (2-3) Critical problems of adapting organizational structure and operational patterns to new tasks, objectives, and mandates. Planning and design techniques for new programs and for modification of existing programs for appropriate deployment of resources and personnel for maximum effectiveness and efficiency. Integration of theory and experience for development of practical skills for coping with variety of situations. Prereq: Second-year administration or equivalent. Prereq: Consent of instructor; 5761 or equivalent. Sp

5741 Supervision in Social Work (2-3) Dual roles of supervisor in various settings, and supervision distinguished from consultation and from direct practice. Responsibility and accountability to client systems, supervisee, and executive, problems of middle management position of supervisor. Differences and similarities in senior levels and junior levels of personnel. Goals, tasks, techniques, and processes in relation to individual and group supervision and field instruction. Prereq: Second-year status or consent of instructor. A

5742 Consultation in Social Work (2-3) Constellation of roles, relationships, and behaviors required of consultant. Consultation as distinguished from supervision and administration practice. Types of consultation in relation to various settings and levels of responsibility. Processes and practices of consultation and dilemmas and pitfalls of consultant's position. Prereq: Second-year status or consent of instructor.

5743 Management of Human Resources in Social Welfare (2-3) Personnel function in administration of human services programs and agencies. Personnel recruitment, selection, appointment, and supervision; staff development, training, and evaluation; salary and benefit systems; employer-employee relations; and fair employment practices. Prereq: Completion of core or consent of instructor. W

5744 Education and Training in Social Welfare (2-3) Philosophies and practices of teaching and learning related to adults in social work and social welfare. Distinctions between teaching and learning; training and development; adult education, measurement issues; models and styles of education. Prereq: Completion of core or consent of instructor. W

5761 Social Welfare Administration and Planning (3) Topics significant to managerial-planner role such as decision making, budgeting, planning, and program management. Prereq: Completion of core or consent of instructor. Sp

5762 Seminar in Social Welfare Administration and Planning (3) To assist students in acquiring specific administrative and planning techniques appropriate for social welfare delivery systems. Prereq: Completion of core or consent of instructor.

5771 Information Systems and Decision Making (2-3) Decision making in human services organizations, utilization of information in policy formulation, delivery of services and evaluation of organizational performance. Information generation, collection, processing, storage, retrieval, and utilization in relation to management control, evaluation and forecasting. Prereq: Completion of core or consent of instructor. F

5772 Financial Management for Social Welfare Administration (2-3) Centralized decision making related to allocation of scarce resources in social services organizations. Technical aids to budgeting. Financial and other aspects of financial management examined for utility, parsimony, and feasibility. Prereq: Completion of core or consent of instructor. F

5800 Management of Residential Settings (2-3) Issues in current development and programming in residential institutions for children, aged, mentally ill, mentally retarded, juvenile and adult offenders, and other groups. Prereq: Completion of core or consent of instructor.

5820 Social Aspects of Illness (2-3) Social, economic, and emotional problems arising from or related to illness and disability as they affect individual, family, and community. Services needed to obtain optimum results from medical care. Lectures, discussion, illustrative case material. Sp

5825 Drugs: Use and Abuse (2-3) Survey and analysis of addictive and nonaddictive and psychological factors underlying alcoholism and drug abuse, recent research and treatment innovations, social work with user and family. Prereq: Completion of core or consent of instructor. Sp

5826 Social Work Treatment for Marital Adjustment (2-3) Theories regarding social and cultural values and personalities processes which gain expression in marriage, concepts regarding contemporary marriage styles, problems in marriage, and appropriate treatment approaches. Prereq: Completion of core or consent of instructor. Sp

5830 Law and Social Work (2-3) Basic principles of law which relate to social work practice; organization of courts, legal aid societies; and other problems of legal nature that affect social work. Sp

5860 Social Gerontology (2-3) Physical, psychological, and social aspects of aging; economic and health status of aging; older person and family; community programs for aging; retirement—phenomenon of modern society. Sp

5865 The Roles of Women (2-3) Roles and statuses of women; emphasis on contemporary American scene. Empirical research as well as popular literature. Ascribed and achieved facets of women's statuses. A

5900 Graduate Seminar in Public Health (1-2) (Same as Public Health 5900, Nutrition 5900, Nutrition and Food Science 5910, and Physical Education 5900.) S/NC only.

5910-20 Field Practice (3, 4) Instruction and supervised practice in methods of social work with individuals, groups and communities. Prereq: Admission to the School; 5410 concurrently or prior to 5910; 5420 concurrently or prior to 5920. Must be taken in sequence. Required course. S/NC only. F, W

5930-40-50-60 Field Practice (4, 4.8, 4.8, 4.8) Specialized instruction and supervised practice methods of social work treatment, administration, and planning in community health and welfare programs and agencies. Prereq: Completion of core or consent of instructor. May be taken in sequence. S/NC only. Sp; W; Sp

5951 Integrative Seminar (2) Required seminar facilitates integration of two-year M.S.W. program; attention given to current issues in profession and to pressing social problems. Student participation in symposia, discussions, simulations, and gaming situations prepares graduating student to assume positions of responsibility and leadership within profession. Graduating student helped to plan toward continuing his/her education and professional development. S/NC only. Sp

6000 Doctoral Research and Dissertation (3-15) P/NP only. E

6050 Seminar in Social Work Research (1) May be repeated. Maximum 6 hrs. S/NC only.


6400 Evaluation Research on Social Work Practice, Programs, and Social Policy (3) Techniques and strategies for evaluating programs and their impact on individuals and population groups, techniques for evaluating processes and outcomes of social work practices.

6110 Philosophical and Historical Perspectives of Social Work (3) Social, cultural, economic and political contexts for development of social work profession and modern welfare system.


6140 Seminar on Areas of Practice (3) Comparative analysis of knowledge requirements for service delivery in specific areas of practice.

6210 Advanced Seminar in Areas of Practice (3) Impact of social contexts on service delivery in selected area of practice. May be repeated. Maximum 9 hrs.

6220 Seminar/Practicum in Social Work Education (2-3) Curriculum issues and teaching methods; classroom experience in social work teaching.

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