

**BSC**

**Behavioral Science**

**BSC 331 BEHAVIORAL FACTORS IN HEALTH AND DISEASE. (3)**

The study of human behavior relating to health and disease and the organization of health care as a social system. Selected concepts from the psychological and social sciences are presented in a biobehavioral frame of reference and applied to the consideration of specific problems.

**†BSC 607 FOOD RELATED BEHAVIORS.**

**BSC 620 ORIENTATION TO MEDICAL BEHAVIORAL SCIENCE. (1)**

This course offers a structural exposure of students to the varieties of basic and clinical science research and current issues in health care policy under discussion at the University Medical Center. Following weekly attendance at research seminars and clinical rounds, students will present their observations in follow-up discussion groups. May be repeated to a maximum of three credits.

**BSC 626 SURVEY OF HEALTH PSYCHOLOGY. (3)**

A survey of the field of health psychology. It will explore the ways in which social and psychological research contribute to an understanding of health and illness behavior. Prereq: Graduate or professional standing and consent of instructor. (Same as PSY 626.)

**†BSC 645 ANTHROPOLOGY AND EPIDEMIOLOGY.**

**BSC 731 METHODS AND TECHNOLOGIES IN CLINICAL AND TRANSLATIONAL SCIENCE. (3)**

This overview course is designed to introduce the student to the major methods and technologies of clinical and translational science. The course will consist of 14 presentations followed by open discussion of the presentation and assigned readings by class members. The location of classes may change based on the content of the lecture. Homework assignments will provide experiential opportunities to work with the various methods and technologies. Active participation by all members is expected. Each weekly presentation is designed to provide a general overview of a method or technology commonly used in clinical and translational science. Discussions are intended to integrate the information across traditional disciplinary boundaries. Homework assignments are designed to provide practical experience with the discussion topic. Prereq: Graduate standing. (Same as CPH 669.)

**BSC 732 INTERDISCIPLINARY PROTOCOL DEVELOPMENT. (2)**

This course is designed to orient students to leadership and teamwork processes involved in clinical and translational research and to train students to function effectively in team settings. Students will be assigned to multidisciplinary teams with a designated principal investigator. Each team will be assigned to develop an integrated multidisciplinary grant application to address an assigned clinical research topic. Students are expected to apply their knowledge of effective scientific communication, responsible conduct of research, and methods and technologies of clinical and translational science to the grant application. The course will consist of four class periods. The first three classes will consist of an orientation to communication and the role of leadership and teamwork in multidisciplinary clinical and translational research. The final class period will be reserved for a teams organizational meeting. Supplemental team meetings are optional. Each team member will be required to complete an individual five-page research methods report that is integrated into a multidisciplinary research application addressing a clinical research topic assigned to the team under the direction of an assigned principal investigator. Prereq: Graduate standing. (Same as CPH 670.)

**BSC 733 SEMINAR IN CLINICAL AND TRANSLATIONAL SCIENCE. (1)**

This seminar course is designed to orient students to clinical and translational research community and activities at the University of Kentucky and to incorporate a multidisciplinary cooperative approach to clinical and translational research. Students are expected to apply their knowledge of effective scientific communication, responsible conduct of research, and methods and technologies of clinical and translational science to ongoing discussions. The course will consist of seven evening seminars focusing on different topics of clinical and translational research. Students will be required to present a description of their research interests and activities during one seminar. Homework assignments will require students to summarize the key elements of each seminar as related to clinical and translational research and the relevance of these issues to their own research interests and career plans. Active participation by all members is expected. Prereq: Graduate standing. (Same as CPH 671.)

**BSC 745 RESEARCH METHODS IN MEDICAL BEHAVIORAL SCIENCE. (3)**

This is an applied methods course which will review the various aspects of research and apply them to current medical behavioral studies. The different approaches used by the behavioral and clinical sciences will be reviewed and demonstrated. Prereq: Any methods courses required for a Ph.D. in the department major.

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**BSC 746 RESEARCH ETHICS AND DILEMMAS. (3)**

This class will utilize case studies for debate, class participation, and papers to help students gain skills to recognize and resolve research dilemmas. Objectives of this class include: (1) understand basic elements of ethical dilemmas; (2) to understand basic ethical theories and frameworks for solving ethical dilemmas; (3) to examine ethical dilemmas within a behavioral or medical science research context; and, (4) to examine ways of eliminating bias and promoting objectivity in a behavioral or medical science research context.

**BSC 760 AGING, HEALTH AND DECISION MAKING. (3)**

This is a doctoral level seminar that provides an overview of behavioral decisional theories (e.g. rational choice, multiattribute utilities models, naturalistic decision-making, ethnographic decision models, Janis and Mann's conflict theory, information processing theory, heuristic models, process tracing models, etc.) and examines research applications of those theories to the health of older adults. Research focuses on decision made by physicians, older adults, family caregivers and policy makers. A variety of applications include such decision domains as preventative screening, retirement and financial planning, other medical treatments, self-care, seeking medical care, institutionalization, end-of-life, etc.

**BSC 763 WOMEN'S TRAUMA AND MENTAL HEALTH. (3)**

This course will examine the research on intimate partner violence, mental health, and substance abuse among women. Clinical and legal interventions will also be discussed. Although knowledge of at least basic statistics would be helpful, it is not required for this class.

**BSC 764 SEMINAR IN HEALTH INEQUITIES. (3)**

This course is designed to critically examine undeniable inequities in the distribution of morbidity and mortality. Students explore linkages between disease burdens and the social, economic, and cultural contexts of our rapidly changing world by integrating local, national and international perspectives from social and biomedical sciences. Prereq: Graduate studies in the social sciences and permission of the instructor.

**BSC 765 RESEARCH PROBLEMS IN MEDICAL ANTHROPOLOGY. (3)**

(1) Advanced history and theory of medical anthropology; (2) research design, field work, analysis of data in medical anthropology. Prereq: Consent of instructor. (Same as ANT 765.)

**BSC 766 CONCEPTS IN MEDICAL SOCIOLOGY. (3)**

A review of sociological concepts and methods which have been applied to the study of health and medicine; the contributions of medical sociology to general sociological theory and to concepts and research on health-related problems of society. Prereq: Consent of instructor. (Same as SOC 766.)

**BSC 770 PSYCHOSOCIAL ISSUES IN HEALTH AND AGING. (3)**

This course will focus on psychosocial issues related to the physical health and functioning of older adults. Topic areas include: theories of aging; age-appropriate research designs; age-related cognitive personality, social and family changes which influence physical health; health behavior and education of older adults; and selected chronic conditions, e.g. Alzheimer's disease, arthritis, depression, diabetes and stroke.

**BSC 772 TOPICAL SEMINAR IN MEDICAL BEHAVIORAL SCIENCE. (1-3)**

Advanced study of selected topics of current importance in medical behavioral science. May be repeated to a maximum of six credits. Prereq: Consent of instructor.

**BSC 773 PSYCHOSOCIAL ONCOLOGY. (3)**

This course will introduce the student to the field of psychosocial oncology. Historical and recent developments in the application of behavioral science knowledge and methodology to the understanding and treatment of cancer and the cancer patient will be examined. The role of psychosocial factors in the etiology, prevention, and treatment of cancer will be explored. Emphasis will be placed upon the interaction of biological, psychological, and social factors throughout the course of cancer. Prereq: Graduate standing.

**BSC 774 FOOD AND FOOD SECURITY IN A CHANGING WORLD. (3)**

This cross-cultural seminar explores the biocultural interactions among food, human biology, and the social, cultural, political and economic factors that shape food-related behaviors and nutritional status of populations. Topics include the social role of food, food beliefs and ideology, the political economy of malnutrition, development strategies and food security, and methods in nutritional anthropology research. Readings and discussions are research focused and approach issues from a variety of theoretical perspectives. Prereq: ANT 601 or consent of instructor. (Same as ANT 774.)

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**BSC 776 SEMINAR IN DEPENDENCY BEHAVIOR. (3)**

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

**BSC 777 SEMINAR IN MENTAL ILLNESS CONCEPTS, RESEARCH AND POLICY. (3)**

Advanced study of contemporary concepts of mental health and mental illness, and their historical development; major forms of response to mental illness. Prereq: Consent of instructor. (Same as SOC 777.)

**BSC 779 BEHAVIORAL FACTORS IN DEATH AND DYING. (3)**

Behavioral concepts are examined which explain reactions of individuals, collectivities and social institutions to the phenomenon of death. Prereq: Consent of instructor.

**BSC 782 WOMEN'S HEALTH AND AGING. (3)**

This class explores the issues related to health and well-being among older women. Using a multidisciplinary approach that blends humanities, social and medical science and public policy, the course examines social, economic and cultural contexts of chronic physical and mental health. Prereq: Upper level/graduate class in social science. (Same as GRN 782.)

**BSC 785 COMPARATIVE HEALTH CARE SYSTEMS. (3)**

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

**BSC 787 BIOBEHAVIORAL PERSPECTIVES ON DRUG AND ALCOHOL ABUSE AND DEPENDENCY. (3)**

This seminar course is designed to survey major topics, concepts and issues pertinent to the field of drug and alcohol abuse and dependence. The course will consist of 14 weekly presentations by instructors followed by open discussion of the presentation and assigned readings by class members. Active participation by all members is expected. Each weekly presentation is designed to provide a general overview of the current state of knowledge (e.g. theory, methods, ethics, review of classic and/or exemplary studies) in a given area of drug and alcohol abuse and dependence research. Discussions are intended to integrate the information across traditional disciplinary boundaries. Prereq: Graduate standing.

**BSC 788 DRUG ABUSE: CONTEMPORARY THEORIES AND ISSUES. (3)**

This course is designed to familiarize students with major concepts and current issues in the field of substance abuse research.

**BSC 790 RESEARCH IN MEDICAL BEHAVIORAL SCIENCE. (1-6)**

Individually directed research and reading in particular aspects of medical behavioral science under the supervision of one or more members of the faculty. May be repeated to a maximum of 12 hours. Prereq: Consent of instructor.

**BSC 814 PATIENTS, DENTISTS AND SOCIETY I. (1)**

This course aims to orient the student to the place health and health professions play in modern cultures. Recognition of their own social assumptions and values and those of persons of different backgrounds is encouraged. Understanding, predicting, and changing dental patient behavior from a social standpoint is emphasized. (Same as CDE 814.)

**BSC 815 FIRST-YEAR ELECTIVE, BEHAVIORAL SCIENCE. (1-3)**

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

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**BSC 825 SECOND-YEAR ELECTIVE, BEHAVIORAL SCIENCE.**

**(1-4)**

With the advice and approval of his or her faculty adviser, the second-year student may choose approved electives offered by the Department of Behavioral Science. The intent is to provide the student an opportunity for exploration and study in an area which supplements and/or complements required course work in the second-year curriculum. Pass-fail only. Prereq: Admission to second-year medical curriculum and approval of adviser.

**BSC 850-899 FOURTH-YEAR ELECTIVE FOR MEDICAL STUDENTS.**

**(1-6)**

With the advice and approval of the faculty adviser and the Student Progress and Promotions Committee, the fourth-year student may choose approved electives offered by the various departments in the College of Medicine. The intent is to provide the student an opportunity to develop his fund of knowledge and clinical competence. Prereq: Admission to the fourth year, College of Medicine and/or permission of the Student Progress and Promotions Committee.

**Approved elective:**

**BSC 850 ELECTIVE IN BEHAVIORAL SCIENCE**