University of Kentucky
Graduate Certificate in Global Health

Required Courses:

CPH 751 - Introduction to Global Public Health (3 hrs)
This course will acquaint students with the major issues and challenges for public health in a variety of wealthy, emerging, and impoverished nations and with the impact of local or regional issues on national and/or global levels. Prereq: UK graduate or professional school student status.

CPH 605 - (Epidemiology) (3 hrs)
This is an initial graduate level course in the principles of epidemiology and applications in preventive medicine and environmental health. The course consists of lectures and informal discussions. Principles and methods of epidemiologic research with a focus on issues of study design and analysis will be presented. Prereq: Graduate student in good standing in the MPH program, community health nursing, or consent of instructor.

Elective Courses:

ANT 646 - Global Health: People, Institutions, and Change (3 hrs)
This course presents anthropological studies of health in an international context, attending to ways in which anthropological study can contribute to identification of issues relevant to health and development. It will have a dual focus. First, it will deprivilege western concepts and explore both indigenous and biomedical accounts of health. Topics may include culturally-defined syndromes, international medicines and health, and illness and body from an international, ethnographic perspective. Second, the course will explore the culture of international health agencies, e.g., WHO, UNICEF, etc. Prereq: Permission of instructor.

CE 655 - Water, Sanitation and Health (3 hrs)
Prevention of water-related diseases by appropriate supply and sanitation practices with designs applicable to small systems and rural areas of developing nations. Prereq: Previous college-level courses in chemistry and/or biology, CE 451, or consent of instructor. (Same as CPH 790.)

CPH 646 - Public Health and Anthropology (3 hrs)
This course will engage students in readings, projects, lectures and/or discussions to address current topics of special interest or concerns. May be repeated to a maximum
of 6 credit hours. Prereq: Enrollment in a Public Health degree program or consent of instructor.

**CPH 612 - Infectious/Emerging Diseases Epidemiology** (3 hrs)
The theory/concepts of infectious diseases epidemiology, such as epidemic modeling expostulated through a systematic study of the more recent emerging diseases. Prereq: Enrollment in a Public Health degree program or consent of instructor.

**GEO 475G - Medical Geography** (3 hrs)
An examination of the basic principles of the two major traditions of medical geography: disease ecology and medical care. Examined are the etiology, diffusion, and distribution of selected major diseases. Issues pertaining to the spatial-temporal distribution, accessibility and utilization of medical care resources are presented. Prereq: GEO 172 or consent of instructor.

**ENT 561 - Insects Affecting Human and Animal Health** (3 hrs)
Discussion of arthropod parasites and disease vectors. Topics include an overview of disease transmission and public health, epidemiology, vector biology, important arthropod groups and their control. Prereq: One year of biology. (Same as BIO 561.)

**AAS 431G - Cultures and Societies of Sub-Saharan Africa** (3 hrs)
A survey of indigenous societies and cultures of Africa south of the Sahara, with special attention to their adaptation of colonialism and post-colonial national development. Prereq: ANT 220, or consent of instructor. (Same as ANT 431G.)

**ANT 603 - Human Biology In Context of Sociocultural Change** (3 hrs)
This course explores the relationship between society, culture, and human biology. Its thematic focus will be how cultural ideologies and social organization play out with respect to the biology of human groups, both archaeological and contemporary populations. We will pay special attention to issues of class, gender and ethnicity and focus on demographic and health-related issues. Current issues in biological anthropology, including critical analysis of evolutionary/adaptation theory and the concept of “race” in contemporary human populations will also be addressed. Prereq: First-year graduate standing in Anthropology, or permission of instructor.

**ANT 766 - Gender, Ethnicity and Health** (3 hrs)
This course will bring the anthropology of gender to the study of medical anthropology. We will examine the interconnections between gender, ethnicity, and class in relation to the greater and lesser likelihood of disease. We will explore differences in health in relation to the resources available and the treatment modalities called upon by people in different social locations within the United States, and internationally. We will also look at the symbolic importance given to different phenomena related to the body, disease, and healing. This course will draw heavily upon the ethnographic literature to develop conceptual accounts of gender, ethnicity, class, and health. Prereq: Permission of instructor.
ANT 774 - Food and Food Security in a Changing World (BSC 774) (3 hrs)
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 BSC 774.)

ANT 775 - Culture and Politics of Reproduction (3 hrs)
This course takes a cross-cultural approach to understanding how reproduction and associated phenomena (family formations and the social use of technologies) comprise arenas where broader political debates become played out, and social relations become created and contested. Ethnographic case studies include cross-cultural constructions of the body, parenthood, and kinship relations; and we examine how the state, social movements, legal/medical experts, and lay persons struggle to appropriate reproductive potentials for their own needs. Prereq: Graduate standing in Anthropology or consent of instructor.

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

BIO 582 - Virology (3 hrs)
Physical, chemical and biological properties of viruses. Modes of replication and control of gene product formation displayed by representative plant, animal, and bacterial viruses. Prereq: BIO 304 and biochemistry or equivalent strongly recommended, or consent of instructor.

BSC 766 - Concepts in Medical Sociology (SOC 766) (3 hrs)
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 763 - Seminar on Health Inequities (3 hrs)
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.
CHE 565 - Environmental Chemistry (3 hrs)
A study of the sources, reactions, transport, effects, and fates of chemical species in the atmosphere, hydrosphere, lithosphere and biosphere. Prereq: Two semesters of general college chemistry are required. Courses in analytical and physical chemistry are recommended, but are not required.

CJT 619 - Professional Seminar in International/Intercultural Communication (3 hrs)
Examines important issues in communication from a global perspective. In-depth study of international communications systems, international information flow, problems that occur in communicating with members of different cultures or subcultures, and development of theories and strategies for improving international communications at the mass, organizational, and interpersonal levels. Prereq: CJT 601 and graduate standing in communication or consent of instructor.

CPH 645 - Food Systems, Malnutrition, and Public Health (3 hrs)
This course will engage students in readings, projects, lectures and/or discussions to address current topics of special interest or concerns. May be repeated to a maximum of 6 credit hours. Prereq: Enrollment in a Public Health degree program or consent of instructor.

GEO 544 - Human Population Dynamics (3 hrs)
The study of human population distributions, densities, and growth patterns through analyses of the processes of fertility, mortality and mobility. Topical coverage includes the environmental, social, political, economic, and behavioral impacts on personal action and population change. Emphasis is placed on historic and contemporary meanings and influences of population diversity, with special attention given to issues of gender, race, and class.

NUR 752 - Culturally Competent Healthcare: Client, Clinician, and Organizational Perspectives (3 hrs.)
This interprofessional course will increase students' multicultural awareness, knowledge, and skill in the assessment and provision of healthcare. Models will be evaluated that aim to enhance the assessment and provision of culturally competent care, from the clinician to the organizational levels. Students will learn how to integrate evidence-based decision-making competencies to maximize attention to the needs of a diverse healthcare workforce. Prereq: Completion of applicable theory and research course (e.g., NUR 601 and 602); enrollment in graduate program or consent of instructor.

CPH 709: Global Health Internship
Course Learning Objectives: This course will provide the opportunity for students to participate in a health-related activity, project or program in a resource-limited setting in a foreign country. This will allow students in the Global Health Certificate Program to gain direct international experience with some relevant, current global health issues, and to integrate and apply knowledge and skills learned in their coursework.
The minimum duration of the internship will be four weeks. The internship will be 3 credit hours. Each internship will be unique, depending on the student’s background and interest, as well as on the needs and resources of the location where it will be conducted. The main activity and setting of the internship can range from providing primary or specialty direct patient care in a hospital, outpatient or other type of medical setting; prevention, community health or health education activities in schools, neighborhood meetings or other venues; collection of environmental samples from water, soil, food, etc. For students in the colleges of Medicine, Nursing, Dentistry, Pharmacy and Health Sciences, the internship may take the form of a rotation.

Internship placements will require completion of an application to be submitted to and reviewed by the Global Health Certificate director. The internship application shall include a proposed work plan, with activity and learning objectives, and a mentorship plan which should include a UK Global Health Certificate associate faculty supervisor and a local, qualified mentor or supervisor in the host location. Approval of the internship application will also include consideration of the student’s background, interests and language capabilities. In addition to the field experience, before traveling the student will complete pre-departure orientation and preparation requirements of the Office of International Affairs for students studying or working abroad. Upon returning to the U.S., the student must report on his/her experience in the form of a written report, an oral, open presentation or other format and be approved by the UK Global Health Certificate supervisor, for the completion of his/her internship.