

Public and One Health - PAOH

Courses

PAOH 2100 INTRODUCTION TO PUBLIC HEALTH (3) LEC. 3. Public Health is the science of prevention of disease and health problems in populations through research, proposal and application of policies, implementation of educational programs, provision of health services to communities, and detection of and response to disease outbreaks. In this course, guest lecturers with expertise in their respective fields will present on varying public health and One Health topics such as health disparities, public health policy, environmental health, global health security, behavioral health, disease ecology, access to health care, maternal/child health, animal health, and more.

PAOH 2107 HONORS INTRODUCTION TO PUBLIC HEALTH (3) LEC. 3. Pr. Honors College. Lecture and discussion of historic advances in public health leading to discussion of diseases affecting the health of people in Alabama today.

PAOH 3010 INTRODUCTION TO EPIDEMIOLOGY (3) LEC. 3. Epidemiology is the study of the distribution, determinants, and dynamics of disease or health events in a population. This course introduces the basic principles and methods of epidemiology with an emphasis on prevention and control of diseases of humans and other animals.

PAOH 3017 HONORS INTRODUCTION TO EPIDEMIOLOGY (3) LEC. 3. Pr. Honors College. Principles of epidemiology, with emphasis on approaches for prevention/control of diseases of humans and animals. Broad applications of studies of populations will be stressed.

PAOH 4830 GLOBAL AND COMPARATIVE HEALTH SYSTEMS (3) LEC. 3. Departmental approval. Different national approaches to providing health care for the population will be compared to the US system.

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PAOH 4910 OBSERVING NEEDS IN PUBLIC HEALTH (3) LEC. 3. Through volunteer service to an agency or organization addressing public health needs, students will develop an understanding of the importance for volunteers to support community needs. Additionally, there will be lectures and class discussions on various topics addressing needs of underserved populations.

PAOH 5100 ZONOSSES AND INFECTIOUS DISEASES (3) LEC. 3. Pr. BIOL 3200. This course presents a comparative approach to infectious disease in humans and animals, while specifically highlighting zoonoses (diseases shared between humans and animals). Students will learn infectious disease epidemiologic concepts, as well as delve into foodborne, vaccine-preventable, sexually transmitted, and vector-transmitted pathogens, as well as common systems-associated infections in both animals and humans.

PAOH 5200 PROGRAM PLANNING AND THEORIES OF HEALTH PROMOTION (3) LEC. 3. This course provides the fundamentals of health promotion and behavior, including theories of change in health behavior and program implementation (planning, marketing, assessment, evaluation). By the end of the course, students should be equipped to initiate a program implementation aimed at improving health.

PAOH 5400 ENVIRONMENTAL HEALTH (3) LEC. 3. Environmental Health serves as an introduction to the effects and regulation of chemical, physical and biological factors in the environment that affect the health of individuals, communities, and ecosystems.

PAOH 5950 ONE HEALTH SEMINAR (2) LEC. 2. This course will explore public health topics relevant to populations of humans, animals, and the environment through guest seminars, large and small group discussion, and student presentations.

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PAOH 6400 ENVIRONMENTAL HEALTH (3) LEC. 3. Environmental Health serves as an introduction to the effects and regulation of chemical, physical and biological factors in the environment that affect the health of individuals, communities, and ecosystems.

PAOH 6950 ONE HEALTH SEMINAR (3) LEC. 3. This course will explore public health topics relevant to populations of humans, animals, and the environment through guest seminars, large and small group discussion, and student presentations.