

PUBLIC HEALTH- EPIDEMIOLOGY (PHEP)

PHEP 711 BEHAVIORAL & PSYCHOSOC EPIDEM (3 Hours)

Prerequisite: for doctoral students include PHS 505 and PHS 702 Disease Pathogenesis and Behavioral Risk factors.

This course provides an overview of social, personality, and cultural factors influencing behavior. It also addresses stress and related psychosocial factors as determinants of health and disease.

Psychosocial and behavior models are discussed. Doctoral students will be required to analyze a specific data set and prepare a research literature report on a specific topic in behavioral and psychosocial epidemiology. A prerequisite for the master's students is PHS 505 Principles of Epidemiology.

PHEP 712 CLINICAL TRIALS & INTERVENTIONAL STUDY DESIGNS (3 Hours)

Prerequisite: include PHS 521 Epidemiological Study Designs and PHS 703 Designing Research Studies on Minorities and Special Populations.

This course provides an in-depth review of the design, conduct, and evaluation of clinical trials and cohort studies. In addition it addresses errors and common methodological pitfalls using practical illustrations. The first half of the course addresses clinical trials and the second half focuses on other interventional study designs.

PHEP 713 INFECTIOUS DISEASE EPIDEMIOLOGY (3 Hours)

Prerequisite: are PHS 505 Principles of Epidemiology, and Disease Pathogenesis and Behavioral Risk Factors.

This course reviews infectious agents of public health importance. Included are vaccine-preventable infectious diseases; diseases spread by personal contact, water, and food; and arthropod-borne diseases and nosocomial infections. In addition, the emergency preparedness system will be discussed and agents involved in bioterrorism will be addressed regarding treatment and (PHS 702) prevention.

PHEP 714 NUTRITION & GENETIC EPIDEMIOLOGY (3 Hours)

Prerequisite: are PHS 505 Principles of Epidemiology, and PHS 702 Disease Pathogenesis and Behavioral Risk Factors.

This first half of the course addresses nutritional factors and their relationship to disease. The second half involves a review of genetics, inheritance, and molecular factors causing disease.

PHEP 717 ENVIRONMENTAL EPIDEMIOLOGY (3 Hours)