

PBH COURSE STUDENT LEARNING OUTCOMES

PBH 101 - Introduction to Public Health

Students will be able to explain public health history, philosophy and values.

Students will be able to identify the core functions of public health and the 10 Essential Services.

Students will be able to list major causes and trends of morbidity and mortality in the US.

Students will be able to discuss the science of primary, secondary and tertiary prevention in population health, including health promotion, screening, etc.

Students will be able to explain effects of environmental factors on a population's health.

Students will be able to explain behavioral and psychological factors that affect a population's health.

Students will be able to explain the social, political and economic determinants of health and how they contribute to population health and health inequities.

Students will be able to explain how globalization affects global burdens of disease.

Students will be able to explain an ecological perspective on the connections among human health, animal health and ecosystem health.

PBH 120 - Foundations of Personal Health and Wellness

Students will be able to evaluate their own levels of health and wellness based on risk factors and diseases related to behavior and lifestyle, in order to identify areas needing improvement.

Students will be able to conduct a literature search of a health issue using academic and public resources.

Students will be able to define a healthy lifestyle and describe the physical, emotional, intellectual, environmental, social and spiritual dimensions of wellness.

PBH 220 - Introduction to Public Health Biology

Students will be able to describe the biological basis of infectious and non-infectious diseases that are of public health importance.

Students will be able to describe the public health burden of infectious and chronic diseases.

Students will be able to synthesize knowledge of the biological basis, risk or susceptibility factors, of disease and public health practices to develop a plan of disease prevention and/or health promotion for different populations.

Students will be able to assess the relationship among screening, recommendations, and therapeutic approaches related to disease prevention.

Students will be able to discuss the differences in advocacy for the health of a community versus advocacy for health of an individual.

Students will be able to explain biological and genetic factors that affect a population's health.

PBH 234 - Introduction to Environmental Health

Students will be able to explain biological, chemical, ecological, and socio-economical sources and mechanisms that result in human health effects induced by exposure to environmental agents.

Students will be able to synthesize information from environmental scientific sources and evaluate the sources usefulness and reliability/credibility.

Students will be able to compare and contrast approaches for preventing or remediating environmental/publish health hazards, including policies and actions of government agencies that protect environmental quality and health.

PBH 281 - Introduction to Biostatistics in Public Health

Students will be able to apply descriptive techniques commonly used to summarize public health data.

Students will be able to identify appropriate inferential statistical methods, conduct a hypothesis test, and interpret results.

Students will be able to critically evaluate journal articles and reports that use health data analysis methods.