

PUBLIC HEALTH (PUBH)

PUBH 20 History of Western Medicine

3 Units (Degree Applicable, CSU, UC)

Lecture: 54

Prerequisite: Eligibility for ENGL 1A

Examines the contributions made to the art and science of medicine from Hippocrates to the present day. Emphasis is placed on early Greek and Islamic contributions in early history, medicine in the Renaissance, the scientific revolution, and the growth and development of medical education and medicine as a profession.

PUBH 22 Introduction to Epidemiology

3 Units (Degree Applicable, CSU, UC)

Lecture: 54

Prerequisite: PUBH 24 and (MATH 110 or MATH 110H)

Epidemiology and biostatistics as applied to public health problems. Examines the distribution and determinants of disease, health conditions, and events as they occur in populations. Topics covered include measures of disease frequency, study design, measures of association, causality, epidemiologic investigation, and application of study results in shaping policy effecting health services, screening, genetics, and public and environmental health.

PUBH 24 Introduction to Public Health

3 Units (Degree Applicable, CSU, UC, C-ID #: PHS 101)

Lecture: 54

Prerequisite: Eligibility for ENGL 1A or ENGL 1AH or ENGL 1AM or AMLA 1A

Organization and function of public health including the philosophy, purpose, history, organization, function, tools, activities, and outcomes of public health practice at the global, national, state, and community levels. Instruction prepares students to identify and assess important national and international problems and ethical issues facing public health today.

PUBH 26 Introduction to Global Public Health

3 Units (Degree Applicable, CSU, UC)

Lecture: 54

Prerequisite: (PUBH 24 or BIOL 24) and (MATH 110 or MATH 110H or MATH 110S or PSYC 10 or SOC 23 or BUSC 17)

Advisory: Eligibility for READ 100 or (AMLA 33R or AMLA 91)

Health and disease in terms of global processes and socioeconomic influences, including poverty, migration, urbanization, environmental change, culture and behavior, and economic interdependence. Major communicable and noncommunicable diseases will be considered as well as health inequities and the impact of global health on public health policy.

PUBH 27 Public Health and the Environment

3 Units (Degree Applicable, CSU, UC)

Lecture: 54

Prerequisite: PUBH 24

Environmental health is the field that investigates the biological, chemical, and physical influences on human health. The course focuses on issues of environmental exposures, resulting health effects, and appropriate controls for these hazards. Emphasis is placed on food safety, pests and pesticides, air quality, global climate change, water quality, wastewater, solid and hazardous wastes, industrial hygiene, and radiation.

PUBH 28 Public Health and Bioethics

3 Units (Degree Applicable, CSU, UC)

Lecture: 54

Prerequisite: PUBH 24

Ethical theories and current ethical issues in public health and health policy including resource allocation, the use of summary measures of health, the right to health care, patient rights and consent, and conflicts between autonomy and health promotion efforts.

PUBH 29 Public Health Microbiology

3 Units (Degree Applicable, CSU, UC)

Lecture: 54

Prerequisite: PUBH 24 and (MICR 1 or MICR 22)

Diversity and properties of microbial agents that impact public health. Environmental factors that affect the occurrence, distribution, and impact of these agents on the community and the world, such as water quality and food production.

PUBH 30 Principles of Public Health and Infectious Disease Epidemiology

3 Units (Degree Applicable, CSU, UC)

Lecture: 54

Prerequisite: (MICR 1 or MICR 22) and (PUBH 24) and (MATH 110 or MATH 110H or PSYC 10 or SOC 23)

Advisory: Eligibility for ENGL 1A or ENGL 1AH or ENGL 1AM or AMLA 1A

Major concepts and principles in public health and epidemiology with an emphasis on infectious diseases. The role of epidemiology in the formulation of public health policy and its impact on clinical decisions through evidence-based medicine is explored.

PUBH 99 Special Projects in Public Health

2 Units (Degree Applicable, CSU)

Prerequisite: Instructor permission.

Offers selected students recognition for their academic interest in public health and the opportunity to explore the discipline of public health in greater depth through the development of research proposal or project in the discipline. The content of the course and methods of study vary from semester to semester and depend upon the particular project under consideration. Instructor authorization is required to enroll in this course.