



Course Code PHAR-481	Course Title Public Health/Δημόσια Υγεία	Credits (ECTS) 5
Department Life & Health Sciences	Semester Fall	Prerequisites None
Type of Course Required	Field Pharmacy	Language of Instruction Greek/English
Level of Course 1 st Cycle	Year of Study 4 th year	Lecturer Staff
Mode of Delivery face-to-face	Work Placement N/A	Co-requisites None

Objectives of the Course:

This course aims to introduce the many areas of the public health system, and the work in measuring health, disease and illness, and its endeavors to promote population health.

This course provides a history of public health. It offers learners a methodology for understanding populations and population health through multiple disciplines. It provides an overview of five core disciplines: epidemiology, biostatistics, environmental health, social and behavioral health, and health policy and management. Students analyze contemporary public health issues such as threats to the nation's food supply, health promoting behaviors in the prevention of disease, the burden and distribution of infectious diseases on a global population, public health's role in disaster preparedness and management, and bioterrorism. This engages issues of public health administration and the public health workforce. Students learn about public health nursing and public health education. They explore the role of law and government (local, state, national, and international) in public health and challenging public health policy issues related to spiraling healthcare costs and addressing the aging population. Students examine environmental and occupational health, and they learn about future challenges for public health.

Learning Outcomes:

After completion of the course students are expected to:

- Successfully use problem-solving skills to address complex public health problems Effectively and persuasively communicate public health ideas to a target population in written and verbal format using a variety of media
- Develop expertise in the five areas of public health: social and behavioral sciences, epidemiology, biostatistics, environmental health, and health services management and policy
- Analyze determinants of morbidity and mortality Plan, implement, and evaluate small-scale public health interventions

- Conduct a community needs assessment
- Act as a resource person in public health
- Synthesize the tools and principles of public health as applied to a new public health problem

Course Contents:

- **Emerging Issues in Public Health** - updates from the cutting edge of public health in topics ranging from bioterrorism to West Nile virus to risk communication, includes an intro to public health administration and management styles
- **Public Health Sanitation** - food safety and inspection techniques, new topics on food security, and a wide variety of other public health topics from tanning to rabies to pool chemistry
- **Epidemiology, Communicable Diseases and Outbreak Investigations** - this is a core skill in protecting the public against everything from bioterrorism to contamination affecting our food supply
- **Public Health Microbiology** - microbes and the symptoms, transmission and prevention of diseases they cause
- **Water and Wastewater** - stream pollution investigation and water treatment systems
- **Soils, Septics and the Environment** - soil logs and septic system design
- **Environmental Pollution** - hazardous materials and pollution control strategies for air and water as well as toxic contaminants found in homes, schools and office buildings

Learning Activities and Teaching Methods:

Lectures, class discussion, assignments

Assessment Methods:

Final Examination, Course work

Required Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
ΤΖΕΝΗ ΚΟΥΡΕΑ-ΚΡΕΜΑΣΤΙΝΟΥ	ΔΗΜΟΣΙΑ ΥΓΕΙΑ	ΤΕΧΝΟΓΡΑΜΜΑ med		
Αγραφιώτης Δημοσθένης	Υγεία, Αρρώστια, Κοινωνία	Γ. ΔΑΡΔΑΝΟΣ - Κ. ΔΑΡΔΑΝΟΣ Ο.Ε		

Recommended Textbooks/Reading:

Authors	Title	Publisher	Year	ISBN
Θεοδώρου Μάμας, Σαρρής Μάρκος, Σούλης Σωτήρης	Συστήματα Υγείας	ΕΚΔΟΣΕΙΣ ΠΑΠΑΖΗΣΗ ΑΕΒΕ		