



Course Syllabus

Course Code	Course Title	ECTS Credits
IMPH-280	Public Health/ Δημόσια Υγεία	3
Prerequisites	Department	Semester
None	Health Sciences	Fall/Spring
Type of Course	Field	Language of Instruction
Required	Pharmacy	Greek/English
Level of Course	Lecturer(s)	Year of Study
1 st Cycle	Dr Eleni Tolma	2 nd
Mode of Delivery	Work Placement	Corequisites
Face-to-Face	N/A	N/A

Course Objectives:

This module aims to introduce the many areas of the public health system, with a main focus on pharmacists' role in health promotion and public health. This module is designed to enable students to recognize the importance of pharmacy practice in population health. Public health combines many areas including estimating the burden of disease and interventions to improve the health of the general public such as screening, health education and prevention. Pharmacists are in a great position to play a vital role in all aspects of public health in both primary and secondary care. This module gives an insight of a new era in pharmacy education and practice where public health and the pharmacist's role is understood and incorporated.

This module 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 behavioural health, and health policy and management. Students understand and are involved in contemporary public health issues such as health promoting behaviours in the prevention of disease, the burden and distribution of infectious diseases on a global population. This engages issues of public health administration and the public health workforce. Students understand environmental and occupational health, and they learn about future challenges for public health.

Learning Outcomes:

After completion of the course students are expected to be able to:

- Understand their role and contribution in public health through pharmacies
- Adapt their role in public health in their future pharmacy practice
- Apply problem-solving skills to address public health problems
- Develop expertise in the five areas of public health: social and behavioural sciences, epidemiology, biostatistics, environmental health, and health services management and policy
- Synthesise the tools and principles of public health as applied to a new public health problem

Course Content:

- Introduction to Public health (social determinants of health, including all public health domains) - Measures of morbidity and mortality (DALYs+QALYs, etc)
- The role of the pharmacist in Public Health and Health Literacy
- Communicable and non- communicable disease (focused more on communicable diseases)
- Sexual Health and Sexually transmitted disease
- Preventing disease: Screening in the pharmacy of the most important non-communicable disease risk factors (e.g. diabetes, hypertension, alcohol misuse, physical activity, etc)
- Health education opportunities- including changing public's health behaviours using health behaviours changes models (e.g. transtheoretical), Tanahill 's model of health promotion etc.- Motivational interviewing- Advice giving and interventions
- Public health vs Medical healthcare -The Role of the Pharmacists
- Water, sanitation and hygiene -The case of John Snow and the cholera epidemic
- Global strategy for food safety – Dr. Goldberger and Pellagra
- Antibiotic resistance/stewardship and the role of the pharmacist
- Road traffic injury prevention (risk factors, interventions)

Learning Activities and Teaching Methods:

Interactive lectures, in class discussion, problem solving, active learning techniques using brainstorming and experience-based learning

Assessment Methods:

Final Examination, Course work

Required Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
Pharmacy in Public Health	Janet Krska	Pharmaceutical Press	2011	9780853698791

Recommended Textbooks / Readings:

Title	Author(s)	Publisher	Year	ISBN
Introduction to Public Health in Pharmacy	Bruce Lubotsky Levin, Ardis Hanson, Peter D. Hurd	Oxford	2018	13: 978- 0190238308