Course Title	Environmental Health				
Course Code	MPH625				
Course Type	Compulsory				
Level	Masters (2nd Cycle)				
Year / Semester	1st year / 2nd semester				
Teacher's Name	TBA				
ECTS	7	Lectures / week	N/A	Laboratories / week	None
Course Purpose and Objectives	This course aims to help students understand in-depth the dynamic process of the human-environment interaction throughout the entire course of development and aging, as well as the way that this process affects the capacities of public health. More precisely, this course aims to detect the natural, chemical and biological factors that affect health on a microscopic and macroscopic level, to describe the gene-environment interaction mechanisms affecting human health and disease and to describe the main methods applied for the investigation of the environmental consequences on health, as these are implemented in global public health today.				
Learning Outcomes	Upon successful completion of this course students should be able to: • Recognise the role of the environment in human health • Describe the gene-environment interaction mechanisms • Recognise the natural, chemical and biological factors that contribute to human health and disease • Understand the concept and importance of Hygiene and Hygiology in the epidemiologic transition and in contemporary public health • Recognise the role of environment in major diseases, such as cancer, infections and accidents • Apply scientific methods to investigate the exposure of humans to pollutants in their professional and home environment				
Prerequisites	None	Required	None		
Course Content	• The concepts of ecosystem and environment – basic concepts of ecology • The environment as a human construct – community and the social entity				

	• Gene – environment interaction: multifactorial theory of health-disease • Natural factors that affect health, radiation, heat, humidity • Chemical factors that affect health: toxicology, heavy metals, pollutants • Biological factors that affect health: elements of microbiology • Environmental hygiene: air, water and ground hygiene • Food hygiene and safety • Hospital and healthcare professions hygiene • Research in environmental health • Global public health: environmental menaces as an international challenge
Teaching Methodology	Distance Learning
Bibliography	**Required reading:** "Hygiene for Students", E.F. Willoughby, General Books LLC: 2010. **Recommended reading:** Arvanitidou-Vagiona, M. *Hygiene*, 2nd Edition. University Studio Press: Thessaloniki, 2009. Sepetis, Anastasios Con. *Environmental and sustainable management in public health*. Papazisis Publishers, 2010 ISBN 978-960-02-2385-9
Assessment	Examinations 50% On-going evaluation 50%
Language	English