

Course Title	Health Protection: Safeguarding Wellbeing in Populations				
Course Code	MPH-514				
Course Type	Required				
Level	2 nd Cycle				
Year / Semester	1 / 1				
Teacher's Name	Dr Annalisa Quattrocchi				
ECTS	5	Lectures	12	Interactive learning activities	4
Course Purpose and Objectives	The main objectives of the course are to enable students to: • Apply the principles and detailed methodologies of Health Protection to protect the public from infectious agents and environmental hazards, particularly in the context of disasters. • Analyse current and emerging pandemics and the global network of organizations, agencies and initiatives aiming at tackling these.				
Learning Outcomes	After completion of the course students are expected to be able to: 1. Analyse the concept of health as a human right of individuals and communities as a whole. 2. Critically evaluate the differences between the concepts of hazard, risk, and disaster. 3. Understand the basis and uses of the different disaster classifications and analyse the main characteristics of specific disasters. 4. Analyse the major infectious agents and diseases of public health importance. 5. Identify and examine the major environmental and occupational hazards of health. 6. Apply the principles of Health Protection to protect the public from infectious agents and environmental hazards (e.g. responding to individual cases of notifiable infections, such as through hygiene advice and immunisation). 7. Analyse current and emerging pandemics and the global network of organizations, agencies and initiatives aiming at tackling these. 8. Justify the role of regional, national, and global surveillance in health protection. 9. Devise an outbreak investigation plan based on the principles of infection outbreak investigation. 10. Apply all risk management steps (anticipation, assessment, prevention, preparation, response, recovery) during a major incident (e.g., infectious disease outbreaks, chemical spills). 11. Relate and contrast the procedures and structures involved in emergency response and recovery and evaluate disaster risk assessment methods and reduction strategies.				

Prerequisites	None	Required	None		
Course Content	1. Health as a human right 2. Environmental Hazards, Risks and Disasters 3. Principles and purpose of Health Protection 4. Health Protection Surveillance 5. Major features of an infection outbreak and methods of investigation and control 6. Risk Management, Emergency response and Recovery				
Teaching Methodology	This programme is delivered via distance learning (online) and includes recorded lectures, interactive online tutorials (Webinars) and discussion forums, as well as online exercises and other activities.				
Bibliography	Required Textbooks / Reading:				
	Title	Author(s)	Publisher	Year	ISBN
	Health Protection Principles and Practice	Ghebrehewet S, Stewart AG, Baxter D, Shears P, Conrad D, Kliner M	Oxford University Press	2016	978-0198745471
	Environmental Health: From Global to Local (3rd ed.)	Frumkin H	Wiley	2016	978-1-118-98806-0
	Mastering Public Health: A Postgraduate Guide to Examinations and Revalidation, (2nd ed.)	Lewis G, Sheringham J, Bernal JL, Crayford T	CRC Press	2014	978-1444152692
	Recommended Textbooks / Reading:				
Title	Author(s)	Publisher	Year	ISBN	
Communicable Disease Control and Health Protection	Hawker J, Begg N, Reintjes R, Ekdahl K, Edeghere O,	Wiley Online Library	2019	9781119328070	

	Handbook, (4 th ed.)	Steenbergen JV			
	Essentials of Toxicology for Health Protection (2 nd ed.)	Baker D, Karalliedde L, Murray V, Maynard R, Parkinson HTN	Oxford University Press	2012	978-0199652549
Assessment	Online quiz (formative) Coursework (1 assignment) – 30% Mandatory interactive activities and webinar attendance/participation – 10% Final exam – 60%				