

European Master in Public Health EUROPUBHEALTH+

Year 1 - Foundation course

“Core competences in Public Health”

A decorative graphic in the bottom left corner consisting of a series of overlapping, semi-circular bands in purple, yellow, orange, pink, and blue.

**University College Dublin
School of Public Health, Physiotherapy and
Sport Sciences Belfield, Dublin 4
Ireland**

The document presents the content of the first-year foundation course of the **Europubhealth+** programme delivered by the School of Public Health, Physiotherapy and Sport Science at University College Dublin (Ireland). For the second year of the Europubhealth+ programme, seven different specialisations are offered by the consortium: *Advanced Biostatistics and Epidemiology, Health and Environment in a context of climate change or Health promotion and prevention* at EHESP Rennes (France); *Leadership in European Public Health* at Maastricht University (The Netherlands); *Governance and Economics of Health Systems in Transition* at Jagiellonian University Medical College in Krakow (Poland), *Health Services Management and digital transformation* at EASP, University of Granada (Spain), and *Public Health Data Science* at Bordeaux University (France).

I. PRESENTATION

The foundation course lasts two semesters and students get 60 ECTS for core and elective modules. A mandatory integration module worth 3 ECTS is organized by the EHESP School of Public Health in Rennes (France) at the end of the academic year.

II. QUALIFICATIONS OF THE GRADUATE

The UCD Master of Public Health (MPH) is an internationally recognised degree which provides education and training in the core disciplines of Public/Population Health i.e. Epidemiology, Biostatistics, Quantitative & Qualitative Research Methods, Communicable and Non-communicable Disease Epidemiology, Public Health Policy and Practice, Health Economics, Health Promotion, Behavioural Sciences and Professional Skills. These skills are increasingly important in light of the challenges of the 'New Normal' in Public Health. The perspectives and skills acquired are important to both employers and employees in public health. Graduates of the programme should be able to:

- Discuss population health including of the role of public health professionals and services in communities and societies.
- Identify and track the occurrence and distribution of health and illness in populations.
- Demonstrate knowledge of inequalities and inequities in health, including the concept of social gradient.
- Describe and debate the social, economic, cultural and political determinants of health and disease.
- Apply and evaluate principles and strategies of health protection, health promotion and disease prevention.
- Conduct epidemiological investigations of population health issues using appropriate study designs and techniques, risk assessments and situational analyses.
- Design and use measurement instruments, understanding the potential sources of, and impact of, bias.
- Collate, analyse and interpret health data to investigate patterns of health and illness and to assess community needs and resources.
- Critically appraise scientific and population evidence.
- Analyse contextual factors which impact on the planning and delivery of a public health intervention/programme, as well as on the organisation and delivery of health services.
- Debate the importance of leadership and advocacy for public health.
- Design effective communication strategies for the whole population, for selected audiences and for vulnerable populations.
- Communicate effectively to scientific audiences in presentations and writing.
- Demonstrate ability to work in multidisciplinary teams.
- Engage with global public health concerns such as climate change and other emerging threats to public health.
- Work as an active team member in planning, implementing, monitoring and evaluating health policy.

III. REQUIREMENTS FOR GRADUATION

In order to graduate from the Europubhealth+ double-degree programme, students must validate all mandatory credits at both first and second year host universities, as well both integration modules delivered by EHESP in Rennes.

STUDY PLAN

Core competences in Public Health

No	Name of the subject	Class form	M/F	Credit Form (Mark/ Pass/Fail)	Credits (ECTS)
Core modules					
PHPS40010	Principles of Epidemiology Link	Lectures; Group Presentations; In-class exercises	M	Mark	5
PHPS40190	Biostatistics I Link	Lectures; Tutorials; Statistical Workshops	M	Mark	5
PHPS40750	Quantitative & Qualitative Research Methods & Data Management, Analysis & Reporting Link	Lectures; Computer Laboratory; Practicals	M	Mark	5
PHPS40980	Introduction to Knowledge Synthesis, Systematic Reviews & Meta-Analysis Link	Lectures	M	Mark	5
PHPS40200	Communicable Disease Epidemiology Link	Lectures; Group Presentations	M	Mark	5
PHPS40370	Non-Communicable Disease Epidemiology Link	Lectures; Group Presentations	M	Mark	5
PHPS41290	Global Public Health Link	Lectures; In-class group exercises; Group Presentations. TED Talks	M	Mark	10
PHPS41120	Health Economic Analysis Link	Lectures; Group Presentations	M	Mark	5
PHPS40040	Public Health Practice and Policy Link	Lectures; Group Presentations	F	Mark	5
PHPS40300	Health Promotion & Behaviour Change Link	Lectures; Group Presentations	M	Mark	5

Elective modules (ONE to be chosen for additional 5 credits)					
PHPS41260	Professional Skills in Public Health Link	Visiting faculty; Multicultural group presentations	F	Pass / Fail	5
PHPS41110	Advanced Epidemiology Link	Lectures; Group Presentations; , Practical applications	F	Mark	5
PHPS40460	Biostatistics II Link	Lectures; Online Statistical Support	F	Mark	5
PHPS40970	Clinical Trials Link	Lectures; Group Assignments	F	Mark	5
PHPS40230	One Health Link	Lectures; In-class Presentations	F	Mark	5
PHPS40850	Sociology & Social Epidemiology Link	Blended Lectures; In-class Presentations	F	Mark	5
PHPS40050	Nutritional Epidemiology Link	Lectures	F	Mark	5
PHPS40880	Introduction to Genetic Epidemiology Link	Lectures	F	Mark	5
PHPS50010	Graduate Teaching Assistant Link	Groupwork UG Tutoring	F	Mark	5
F – Facultative, M – mandatory to graduate					