



# **European Master in Public Health EUROPUBHEALTH+**

**1<sup>st</sup> year foundation**

**course: “Core competences in  
Public Health”**

A decorative graphic in the bottom left corner, consisting of a large purple circle partially overlapping a smaller circle with a rainbow-colored gradient (yellow, orange, red, pink, blue, green).

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

# European Master in Public Health (Europubhealth+) Core competences in Public Health

The present document details 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 specializations are offered by the consortium: *Advanced Biostatistics and Epidemiology or Environmental Health Sciences* at EHESP Paris (France); *Health promotion and prevention* at EHESP Rennes (France); *Health Law* at Rennes 1 University (France); *Leadership in European Public Health* at Maastricht University (The Netherlands); *Governance of Health Systems in Transition* at Jagiellonian University Medical College in Krakow (Poland), *Health Services Management* at EASP – University of Granada (Spain).

## 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, Applied Research Methods, Communicable and Non-communicable Disease Epidemiology, Public Health Policy and Practice, Health Economics, Health Promotion and Behavioural Sciences. 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)
<b>Core modules</b>					
PHPS40010	Principles of Epidemiology <a href="https://sisweb.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40010&amp;MAJR=X498">https://sisweb.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40010&amp;MAJR=X498</a>	Lectures; Group Presentations; In-class exercises	M	Mark	5
PHPS40190	Biostatistics I <a href="https://sisweb.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40190&amp;MAJR=X498">https://sisweb.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40190&amp;MAJR=X498</a>	Lectures; Tutorials; Statistical Workshops	M	Mark	5
PHPS40750	Applied Research Methods & Data Management, Analysis & Reporting <a href="https://hub.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40750">https://hub.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40750</a>	Lectures; Computer Laboratory; Practicals	M	Mark	5
PHPS40980	Introduction to Knowledge Synthesis, Systematic Reviews & Meta-Analysis <a href="https://sisweb.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40980">https://sisweb.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40980</a>	Lectures	M	Mark	5
PHPS40200	Communicable Disease Epidemiology <a href="https://sisweb.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40200&amp;MAJR=X498">https://sisweb.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40200&amp;MAJR=X498</a>	Lectures; Group Presentations	M	Mark	5
PHPS40370	Non-Communicable Disease Epidemiology <a href="https://sisweb.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40370&amp;MAJR=X498">https://sisweb.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40370&amp;MAJR=X498</a>	Lectures; Group Presentations	M	Mark	5
PHPS40430 and PHPS40650 will be combined into one 10 ECTS module in 2024/25. Updated module descriptor will be a combination of previous two	<u>Sustainable Development Goals, incorporating Global and Climate Health</u> <a href="https://sisweb.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40430">https://sisweb.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40430</a>  <a href="https://hub.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40650">https://hub.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40650</a>	Lectures Individual and Group Presentations	M	Mark	10
PHPS41120	Health Economic Analysis <a href="https://hub.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS41120">https://hub.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS41120</a>	Lectures	F	Mark	5
PHPS40040	Public Health Practice and Policy <a href="https://sisweb.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40040&amp;MAJR=X498">https://sisweb.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40040&amp;MAJR=X498</a>	Lectures; Group Presentations	M	Mark	5
PHPS40300	Health Promotion & Behaviour Change <a href="https://hub.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40300&amp;MAJR=X498">https://hub.ucd.ie/usis!/W_HU_MENU.P_PUBLISH?p_tag=MODULE&amp;MODULE=PHPS40300&amp;MAJR=X498</a>	Lectures; Group Presentations	M	Mark	5

<b>Elective modules</b> (ONE to be chosen for additional 5 credits)					
PHPS41110	Advanced Epidemiology <a href="https://hub.ucd.ie/osis!/W_HU_MENU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS41110">https://hub.ucd.ie/osis!/W_HU_MENU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS41110</a>	Lectures, Practicals, Group Presentations	F	Mark	5
PHPS40460	Biostatistics II <a href="https://sisweb.ucd.ie/osis!/W_HU_ME_NU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS40460&amp;MAJR=X84_5">https://sisweb.ucd.ie/osis!/W_HU_ME_NU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS40460&amp;MAJR=X84_5</a>	Lectures; Online Statistical Support	F	Mark	5
PHPS40970	Clinical Trials <a href="https://sisweb.ucd.ie/osis!/W_HU_ME_NU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS40970">https://sisweb.ucd.ie/osis!/W_HU_ME_NU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS40970</a>	Lectures; Group Assignments	F	Mark	5
PHPS40230	One Health <a href="https://sisweb.ucd.ie/osis!/W_HU_MENU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS40230&amp;MAJR=X498">https://sisweb.ucd.ie/osis!/W_HU_MENU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS40230&amp;MAJR=X498</a>	Lectures; In-class Presentations	F	Mark	5
PHPS40850	Sociology & Social Epidemiology <a href="https://sisweb.ucd.ie/osis!/W_HU_ME_NU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS40850&amp;MAJR=X49_8">https://sisweb.ucd.ie/osis!/W_HU_ME_NU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS40850&amp;MAJR=X49_8</a>	Blended Lectures; In-class Presentations	F	Mark	5
PHPS40050	Nutritional Epidemiology <a href="https://sisweb.ucd.ie/osis!/W_HU_ME_NU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS40050&amp;MAJR=X29_9">https://sisweb.ucd.ie/osis!/W_HU_ME_NU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS40050&amp;MAJR=X29_9</a>	Lectures	F	Mark	5
PHPS40880	Introduction to Genetic Epidemiology <a href="https://hub.ucd.ie/osis!/W_HU_MENU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS40880">https://hub.ucd.ie/osis!/W_HU_MENU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS40880</a>	Lectures	F	Mark	5
PHPS50010	Graduate Teaching Assistant <a href="https://sisweb.ucd.ie/osis!/W_HU_MENU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS50010">https://sisweb.ucd.ie/osis!/W_HU_MENU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS50010</a>	Group work UG Tutoring Practicum	F	Mark	5
PHPS40990	Systematic Reviews, Meta-analysis and Clinical Guidelines <a href="https://hub.ucd.ie/osis!/W_HU_MENU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS40990">https://hub.ucd.ie/osis!/W_HU_MENU.P_PUBLISH?tag=MODULE&amp;MODULE=PHPS40990</a>	Lectures; Group Assignments	F	Mark	5
F – Facultative, M – mandatory to graduate					