




European Master in Public Health EUROPUBHEALTH+

Specialization: Environmental and Occupational Health Sciences

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FRANCE**

European Master in Public Health (Europubhealth+) Environmental and Occupational Health Sciences

The present document details the content of the second year specialization of the **Europubhealth+** programme delivered in Paris by the EHESP School of Public Health. For the first year of the Europubhealth+ programme, a foundation course with the core competences in public health is delivered at the University College Dublin (Ireland) or the University of Sheffield (United Kingdom) in English, at the Andalusian School of Public Health - University of Granada (Spain) in Spanish, or at the University of Liège (Belgium) in French.

I. PRESENTATION

The specialization course lasts two semesters and students get 30 ECTS for taught modules and 27 ECTS for the dissertation work and related placement (A 4-month practical placement is mandatory during semester 2). A mandatory EPH+ Joint Integration module worth 3 ECTS is organized by the EHESP School of Public Health in Rennes (France) at the end of the academic year.

The specialisation provides students and young professionals wishing to design their career in public health with high level of qualification which enhances intellectual approach to the subject. It offers basic and advanced schemes of study involving knowledge, skills and techniques which can variously be applied to different public health issues and in the context of health services agencies or health & environmental organizations in the public or private sector, in developed or developing countries. The specialisation is both a professional qualification and a contributor to generic skills in research. It provides traditional core courses and options with an innovative approach to developing public health agendas in different contexts including crisis situations. The international teaching staff comprises outstanding lecturers from European & North American universities and research institutions.

In general, the EOHS specialisation aims to train professionals to identify risks run by the general population en large, consumers or workers exposed to nuisances and hazardous agents, and to propose measures designed to abate exposures and health impacts. It embraces a broad range of disciplines and viewpoints (from individual vulnerability factors to public policies) in order to stimulate the students' capacity to develop a consistent and cross-cutting problem solving approach.

II. QUALIFICATIONS OF THE GRADUATE

The aim of the specialisation is to train young professionals to identify health problems of a population, analyze the resources needed to preserve and improve population health, and progressively become a new generation of decision makers in health. To achieve this, the EHESP pedagogy stresses an inter-disciplinary approach, consisting in placing students in realistic problem contexts from which they utilize various professional skills and methodologies. The course encourages a degree of specialisation according to the students' career objectives

Graduates of the EOHS specialisation are able to:

- Apply analysis skills and techniques to assess and understand an environmental or occupational health problem
- Discuss the basic biological concepts that allow to identify the hazardous potency of chemical, physical or (micro)biological agents and to evaluate the exposure-response relationships
- Describe the principles of exposure and risk assessment for nuisances and hazards related to the environment or to occupational settings
- Discuss various risk management and risk communication approaches in relation to issues of environmental or occupational hazards and nuisances.

III. REQUIREMENTS FOR GRADUATION

In order to graduate, students must get an overall average of at least 10/20 to obtain all mandatory credits of the second year specialization. Students must also pass all mandatory credits during the first year of the programme in the partner university (Dublin, Sheffield, Granada or Liège) as well as both joint integration modules organized at EHESP in Rennes.

STUDY PLAN
Environmental and Occupational Health Sciences

Name of the subject	Class form	M/ F	Credit form	Teaching hours	ECTS
Mandatory modules					24
Advanced Core module- Environmental and Occupational Health Sciences https://mph.ehesp.fr/wp-content/uploads/2019/06/Syllabus-206-2019.pdf	Lecture Homework	M	Mark	30	3
Occupational Health within public health https://mph.ehesp.fr/wp-content/uploads/2022/09/Syllabus-occupational-health-module-M2_21082022.pdf	Lecture In class exercise	M	Mark	30	3
GIS and Environmental Health https://mph.ehesp.fr/wp-content/uploads/2019/06/Syllabus-Major-233-2019-2020.pdf	Lecture & lab Group work	M	Mark	30	3
Impact Assessment in Environmental Health https://mph.ehesp.fr/wp-content/uploads/2022/09/Syllabus-HIA-module-217-2022.pdf	Lecture & lab Discussion	M	Mark	30	3
Critical windows of exposures and vulnerability https://mph.ehesp.fr/wp-content/uploads/2018/07/Syllabus-234-2018-2019.pdf	Lecture & lab Case study	M	Mark	30	3
Planetary Health https://mph.ehesp.fr/wp-content/uploads/2019/06/Syllabus-total-Major-232.pdf	Lecture	M	Mark	30	3
Advanced Core module- Epidemiology https://mph.ehesp.fr/wp-content/uploads/2019/06/Syllabus_Module_203Epi_2019-2020.pdf	Lecture Dicussion Case study	M	Mark	30	3
Advanced Core module- Biostatistics https://mph.ehesp.fr/wp-content/uploads/2019/06/Syllabus_C	Lecture Exercise Project	M	Mark	30	3

Name of the subject	Class form	M/ F	Credit form	Teaching hours	ECTS
Mandatory modules					24
ore_ISB_204-2019.pdf	based learning				
2 elective modules to be chosen among :					6
Introduction to R software for data sciences https://mph.ehesp.fr/wp-content/uploads/2021/10/Syllabus_module-215-21-22_au-4-juin.pdf	Lecture Lab		Mark	30	3
Concepts, Methods and design in Epidemiology	Lecture Lab		Mark	30	3
HPM Managing community program implementation https://mph.ehesp.fr/wp-content/uploads/2021/10/HPM-228-syllabus-2022_au-17-juin.docx.pdf	Lecture Group Discussion		Mark	30	3
HPM Health Care Management https://mph.ehesp.fr/wp-content/uploads/2021/11/Syllabus-Module-226-21-22_-V1.0-2021-11-23.pdf	Lecture Discussion Computer		Mark	30	3
SUPRA OPTIONAL modules:		F	Pass/Fail		Not credited
Advanced core module in Social & Behavioural Sciences https://mph.ehesp.fr/wp-content/uploads/2020/07/Syllabus_S_BSPH_Core202_2020-1.pdf Advanced core module in Health Policy and Management https://mph.ehesp.fr/wp-content/uploads/2020/05/Syllabus-Core-205-HPM.pdf Introduction to R https://mph.ehesp.fr/wp-content/uploads/2021/10/Syllabus_module-215-21-22_au-4-juin.pdf EPI Analysis in Epidemiology (I) https://mph.ehesp.fr/wp-content/uploads/2022/12/Syllabus-modules-224-225_2022-23.pdf EPI Analysis in Epidemiology (II) https://mph.ehesp.fr/wp-content/uploads/2022/12/Syllabus-					

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Mandatory modules					24
modules-224-225_2022-23.pdf Perinatal and pediatric epidemiology https://mph.ehesp.fr/wp-content/uploads/2020/09/Syllabus_module238-2021.pdf ISB Spatial statistical analysis https://mph.ehesp.fr/wp-content/uploads/2022/10/Syllabus_Module-231_22-23.pdf Introduction to Multi Level Analysis https://mph.ehesp.fr/wp-content/uploads/2021/11/Syllabus_Major_230_2021-2022-with-competences-tb.pdf Modelling of infectious diseases module https://mph.ehesp.fr/wp-content/uploads/2020/09/Syllabus_major-229_2020_2021.pdf					
Dissertation and placement	-	M	Mark	-	27
Integration Module (at EHESP in Rennes – France)	Seminar	M	Mark	30	3

F – facultative, M – mandatory to graduate

Total number of teaching hours: 300

Total number of ECTS: 60

➔ For full description of each module and overall planning, please click on each link in the table above or go to: <https://mph.ehesp.fr/year-2/>