



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

## **Specialization: Environmental and Occupational Health Sciences**

A decorative graphic in the bottom left corner, consisting of a large purple circle containing a smaller circle with a white center and a rainbow-colored ring (yellow, orange, pink, blue, green) around it.

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FRANCE**

## TEACHING PROGRAMME

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

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

#### I. PRESENTATION

The specialization course lasts two semesters and students get 30 ECTS for mandatory modules and 27 ECTS for the dissertation work and related placement. 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.

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 from research institutions.

In general, the EOHS programme aims to train professionals to identify risks run by the general population en masse, 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 goal of the specialisation is to train young professionals to identify the 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 MPH 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 AND OBTAINING PROFESSIONAL TITLE

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 program in the partner university (Sheffield or Granada) as well as both integration modules organized at EHESP in Rennes.

#### IV. PRACTICAL PLACEMENT

A 4-month practical placement is mandatory and linked to the Master dissertation work.

### STUDY PLAN

**Specialization:** Environmental and Occupational Health Sciences

No	Name of the subject	Class form	M/F	Credit form (Mark or Pass/Fail)	Number of teaching hours	ECTS
1	Upgrading Biostatistics	Seminar	M	Mark	-	Not credited
2	Advanced Core module – Environmental and occupational health sciences	Seminar	M	Mark	30	3
3	The control of environmental infectious diseases	Seminar	M	Mark	30	3
4	GIS and environmental health	Seminar	M	Mark	30	3
5	Impact Assessment in Environmental Health	Seminar	M	Mark	30	3
6	Critical windows of exposures and vulnerability	Seminar	M	Mark	30	3
7	Advanced Core module Epidemiology	Seminar	M	Mark	30	3
8	Advanced Planetary Health	Seminar	M	Mark	30	3
9	Advanced Core module Biostatistics	Seminar	M	Mark	30	3
10	2 electives to be chosen among: <ul style="list-style-type: none"> <li>• Infectious disease epidemiology</li> <li>• Minor A ISB Multidimensional &amp; multivariate statistical methods</li> <li>• Methods and design in Epidemiology</li> <li>• Spatial Statistical analysis</li> </ul>	Seminar	M	Mark	30	6
	SUPRA OPTIONAL: Advanced core module in Social & Behavioural Sciences, Advanced core module Management & Health policy, Humanitarian Health in Crisis Situation, Health Policies and health systems in LIC, Decision analysis in Public Health	Seminar	F	Pass/Fail	-	Not credited
	Dissertation and placement	-	M	Mark	-	27
	EPH+ 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, please click on each title in the table above or go to: <https://mph.ehesp.fr/year-2/>