MODULE OUTLINE DYPO52

1. GENERAL INFORMATION

SCHOOL	SCHOOL OF SOCIAL SCIENCES		
PROGRAM COURSE	PUBLIC HEALTH AND POLICIES (DYPO)		
LEVEL OF STUDY	POSTGRADUATE		
MODULE CODE	DYPO52	**SEMESTER OF STUDY**	1st
MODULE TITLE	**Epidemiology and Public Health Statistics**		
INDEPENDENT TEACHING ACTIVITIES *in case credits are awarded for separate components/parts of the course, e.g. in lectures, laboratory exercises, etc. If credits are awarded for the entire course, give the weekly teaching hours and the total credits*		**HOURS**	**CREDIS**
Weekly teaching hours 21-23 hours x 13 weeks		**280-300**	**10 ECTS**
COURSE TYPE Compulsory, Optional, Optional mandatory	Compulsory		
PREREQUISITE MODULES:	None		
LANGUAGE OF INSTRUCTION AND EXAMS	Greek		
THE MODULE IS OFFERED TO ERASMUS STUDENTS	No		
MODULE WEBSITE (URL)	https://www.eap.gr/en/dypo/dypo_them/#dypo52 Each module has its own space in the Learning Management System of EAP (https://courses.eap.gr/login/index.php), with controlled access (use of code) for students and teaching staff.		

2. LEARNING OUTCOMES

Learning Outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate (certain) level, which students will acquire upon successful completion of the course, are described in detail. It is necessary to consult:

Upon completion of the unit, students will be able to

- Understand basic epidemiologic principles.
- Understand how morbidity and mortality of the population are measured and described.
- know the basic theoretical models of epidemiology.
- Implement the appropriate epidemiological tools in research.
- Implement basic statistical analysis in public health.
- to interpret and evaluate the findings of statistical epidemiological studies
- Evaluate public health strategies and measures through epidemiological principles.

General Competences

Taking into consideration the general competences that students/graduates must acquire (as those are described in the Diploma Supplement and are mentioned below), at which of the following does the course attendance aim?

Search for, analysis and synthesis of data and information by the use of appropriate technologies,
Adapting to new situations
Decision-making
Individual/Independent work
Group/Team work
Working in an international environment
Project planning and management
Respect for diversity and multiculturalism
Environmental awareness
Social, professional and ethical responsibility and sensitivity to gender issues
Critical thinking
Development of free, creative and inductive thinking
……

Working in an interdisciplinary environment (Other…….citizenship, spiritual freedom, social Introduction of innovative research awareness, altruism etc.) …….
• Search for, analysis and synthesis of data and information by the use of appropriate technologies • Adapting to new situations • Decision – making • Group / team work • Working in an interdisciplinary environment • Project planning and management • Critical thinking • Development of free, creative and inductive thinking • Working in an interdisciplinary environment • Introduction of innovative research • Respect for diversity and multiculturalism

3. MODULE CONTENT

The purpose of the Module is for students to understand the concept of epidemiology, which involves the distribution and determinants of disease frequency in humans, as well as the use of statistical methods in studying the fundamental issues examined by epidemiology. The objectives of the Module include comprehending the concept of descriptive epidemiology, infectious disease epidemiology, genetic and social epidemiology, measuring and describing morbidity and mortality, monitoring the temporal progression of a disease, discovering causal factors behind diseases, studying the conditions and causes that lead to epidemics, and the history of diseases. A specific goal of the Module is to design and implement epidemiological studies. The scientific subjects of the Module are:

- Epidemiology Framework - Measures of morbidity and mortality in epidemiology
- Psychological, social, and behavioral epidemiology
- Epidemiological studies design

4. TEACHING METHODS--ASSESSMENT

MODES OF DELIVERY *Face-to-face, in-class lecturing, distance teaching and distance learning etc.*	Distance education with three Group Counseling Meetings (OSS) during the academic semester, held on weekends.
USE OF INFORMATION AND COMMUNICATION TECHNOLOGY *Use of ICT in teaching, Laboratory Education, Communication with students*	We use : Remote meetings tools (cisco webex), Presentation software (e.g. power point), Additionally, the students use office automation tools, web browsers and e-reader for digital books.
MODULE DESIGN *Description of teaching techniques, practices and methods: Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, Internship, Art Workshop, Interactive teaching, Educational visits, projects, Essay writing, Artistic creativity, etc*	

Activity	***Annual Workload***
3 OSS (x 4 hours)	12
2 tutorial exercises (2 x 30 hours)	60
1 semester assignment	55
Examination	4

The study hours for each learning activity as well as the hours of selfdirected study are given following the principles of the ECTS.	Individual study (21-23 hours x 13 weeks)	149-169
	Total module workload (hours)	**280-300**
STUDENT PERFORMANCE EVALUATION/ASSESSMENT METHODS *Detailed description of the evaluation procedures.* *Language of evaluation, assessment methods, formative or summative (conclusive), multiple choice tests, short- answer questions, open-ended questions, problem solving, written work, essay/report, oral exam, presentation, laboratory work, other……etc.* *Specifically defined evaluation criteria are stated, as well as if and where they are accessible by the students*	Completion of written assignments during the academic semester which constitute a 40 percent of each student's grade, if a pass is obtained in the final or repetitive examination. Final exam grades constitute a 60 percent of the students' final course grade. For further information go to the **EAP Study Guide**.	

5. SUGGESTED BIBLIOGRAPHY

- Suggested bibliography:

- Friis R.H. &Sellers T.A. (2011). Epidemiology and Public Health (in Greek). Broken Hill publ
- Trichopoulos D. Lagiou P. (2011). General and Clinical Epidemiology (In Greek) Principlesn methods and application in medical research and public health Parisianos publ.
- Gordis Leon [2016] Epidemiology. Gotsis publ.
- Papageorgiou E.. [2019] Probabilities – Biostatistics and SPSS New technologies Publ.
- Andriopoulos P. [2023] Statistics in Epidemiology with the use of statistical software suites. Kallipos Project Open Academic textbooks*:*

-Related scientific Journals:

- Journal of Epidemiology and Communith Health
- American Journal of Epidemiology
- International Journal of Epidemiology