

## COURSE OUTLINE

### 1. GENERAL

<b>SCHOOL</b>	PHYSICAL EDUCATION & SPORT SCIENCES		
<b>DEPARTMENT</b>	PHYSICAL EDUCATION & SPORT SCIENCES		
<b>LEVEL OF STUDIES</b>	PGP – Level 7		
<b>COURSE CODE</b>	K301	<b>SEMESTER</b>	C
<b>COURSE TITLE</b>	MASTER DISSERTATION ( Master's Thesis)		
<b>TEACHING ACTIVITIES</b> <i>If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits.</i>	<b>TEACHING HOURS PER WEEK</b>	<b>ECTS CREDITS</b>	
	3	7,5	
<i>Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.</i>			
<b>COURSE TYPE</b> <i>Background, General Knowledge, Scientific Area, Skill Development</i>	Scientific Area		
<b>PREREQUISITES:</b>	NO		
<b>TEACHING &amp; EXAMINATION LANGUAGE:</b>	GREEK		
<b>COURSE OFFERED TO ERASMUS STUDENTS:</b>	NO		
<b>COURSE URL:</b>	<a href="https://eclass.duth.gr/courses/PHYED4107/">https://eclass.duth.gr/courses/PHYED4107/</a>		

### 2. LEARNING OUTCOMES

#### Learning Outcomes

*Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.*

Upon successful completion of the master's thesis, postgraduate students will be able to:

- know how to search international bibliographic databases
- design and implement a scientific research design in health.
- collect data and analyze the important results of a scientific design in health
- apply the guidelines of writing a Master's Thesis.
- To present the important findings of a scientific paper.

#### General Skills

*Name the desirable general skills upon successful completion of the module*

*Search, analysis and synthesis of data and information,  
ICT Use*

*Adaptation to new situations*

*Decision making*

*Autonomous work*

*Teamwork*

*Working in an international environment*

*Working in an interdisciplinary environment*

*Production of new research ideas*

*Project design and management*

*Equity and Inclusion*

*Respect for the natural environment*

*Sustainability*

*Demonstration of social, professional and moral responsibility and sensitivity to gender issues*

*Critical thinking*

*Promoting free, creative and inductive reasoning*

The general abilities of the postgraduate students, that are strengthened, are:

- Search, analysis and synthesis of data and information, ICT Use
- Adaptation to new situations
- Decision making
- Autonomous work

- Work in an interdisciplinary environment
- Generating new research ideas
- Project design and management
- Critical thinking
- Promoting free, creative and inductive reasoning Project planning and management

### 3. COURSE CONTENT

#### Master Dissertation (Master's Thesis)

- Search and study literature
- Literature review / Systematic Review
- Case Study or Research Study
  - o Study design
  - o Experimental procedure - Data collection
  - o Data analysis and interpretation of results
- Writing Master's Dissertation
- Writing a scientific publication or a short article in Conference Proceedings
- Preparation and Presentation of Master's Thesis (Conferences, Committee Of Examiners)

### 4. LEARNING & TEACHING METHODS - EVALUATION

<b>TEACHING METHOD</b> <i>Face to face, Distance learning, etc.</i>	- Collaboration with the Supervising Professor	
<b>USE OF INFORMATION &amp; COMMUNICATIONS TECHNOLOGY (ICT)</b> <i>Use of ICT in Teaching, in Laboratory Education, in Communication with students</i>	- Use of ICT Communication with students - MsTeams / e-class, webmail	
<b>TEACHING ORGANIZATION</b> <i>The ways and methods of teaching are described in detail. Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research &amp; analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.</i>  <i>The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.</i>	<b>Activity</b>	<b>Workload/semester</b>
	Bibliographic research & analysis	150
	Study design	30
	Experimental procedure - Data collection	120
	Data analysis and interpretation of results	50
	Writing a publication or short article in Conference Proceedings	60
	Writing MDE	300
	MDE Preparation and Presentation (Conference, Three-member Committee)	40
	<b>Total</b>	<b>750</b>
<b>STUDENT EVALUATION</b> <i>Description of the evaluation process</i>  <i>Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report, Clinical examination of a patient, Artistic interpretation, Other/Others</i>	The evaluation of the postgraduate students includes:  - Oral presentation of the Master's Dissertation to audience and evaluation by the Members of Examining Committee	

Please indicate all relevant information about the course assessment and how students are informed

## 5. SUGGESTED BIBLIOGRAPHY

1. Thomas J.R. & Nelson J.K. (2023). *Research Methods in Physical Activity*, Greek Edition Editor: Kostas Karteroliotis, BROKEN HILL PUBLISHERS, Athens.
2. Apostolakis I., Kastania A. & Pierrakou C. (2003). *Statistical data processing in health*, Papazisi Publications, Athens.
3. Lagoumintzis G., Vlachopoulos G., Koutsoyiannis K. (2015). *Research Methodology in Health Sciences*. Association of Greek Academic Libraries, Greek Academic Electronic Books and Aids, Athens. [www.kallipos.gr](http://www.kallipos.gr)
4. Sarris M. (2023). *How to write a scientific paper. A guide to academic writing*. Publisher DISIGMA, Thessaloniki
5. Halikias M., Manolesou A. & Lalou P. (2015). *Research Methodology and Introduction to Statistical Data Analysis with IBM SPSS STATISTICS*. Association of Greek Academic Libraries, Greek Academic Electronic Books and Aids, Athens. [www.kallipos.gr](http://www.kallipos.gr)