COURSE OUTLINE LABORATORY ON THE SCIENTIFIC APPROACH TO THESIS WRITING

1. GENERAL

SCHOOL	PHYSICAL EDUCATION, SPORT SCIENCE AND OCCUPATIONAL THERAPY		
DEPARTMENT	PHYSICAL EDUCATION AND SPORT SCIENCE		
LEVEL OF STUDIES	ISCED level 6 – Bachelor's or equivalent level		
COURSE CODE	C060	**SEMESTER**	5th & 6th
COURSE TITLE	LABORATORY ON THE SCIENTIFIC APPROACH TO THESIS WRITING		

TEACHING ACTIVITIES *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.*	**TEACHING HOURS PER WEEK**	**ECTS CREDITS**
	2	3
Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.		

COURSE TYPE *Background, General Knowledge, Scientific Area, Skill Development*	GENERAL KNOWLEDGE, SKILL DEVELOPMENT
PREREQUISITES:	NO
TEACHING & EXAMINATION LANGUAGE:	Greek
COURSE OFFERED TO ERASMUS STUDENTS:	YES
COURSE URL:	https://eclass.duth.gr/courses/KOM02161/

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 course, participants will be able to:

- Understand the basic principles of writing a thesis.
- Apply the rules followed in the writing of a scientific paper.
- Design a research plan for conducting a scientific study.
- Evaluate and present the key 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

- Search, analysis and synthesis of data and information, ICT Use
- Adaptation to new situations
- Decision making
- Autonomous work
- Teamwork
- Working in an international environment
- Project design and management
- Equity and Inclusion

- Demonstration of social, professional and moral responsibility and sensitivity to gender issues
- Critical thinking
- Promoting free, creative and inductive reasoning

3. COURSE CONTENT

1. Organizational structure of thesis writing
2. Types of experimental designs in sports and health studies
3. Methods for literature search – Defining the title
4. Scientific approach to the problem – Formulating research hypotheses
5. Literature review
6. How to write the bibliography
7. Guidelines for preparing a thesis with historical content
8. Methodology I: Sampling and data collection
9. Methodology II – Questionnaires
10. How to write and present results
11. Discussion of research results
12. Thesis presentation techniques
13. Presentation of assignments

4. LEARNING & TEACHING METHODS - EVALUATION

TEACHING METHOD *Face to face, Distance learning, etc.*	Lectures, practical application with assignments in the library, presentation of assignments
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT) *Use of ICT in Teaching, in Laboratory Education, in Communication with students*	Use of ICT in Teaching • Slides, • Videos • MsTeams/ e-class, webmail
TEACHING ORGANIZATION *The ways and methods of teaching are described in detail.* *Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.* *The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.*	
STUDENT EVALUATION *Description of the evaluation process* *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* *Please indicate all relevant information about the course assessment and how students are informed*	Attendance – Participation (10%) Laboratory Exercises (30%) Final Written Presentation of a Short Scientific Paper (60%)

Activity	***Workload/semester***
Lectures	26
Laboratory Exercises	15
Study and Preparation of Individual Assignments	15
Study and Preparation of Group Assignments	16
Final Written Presentation of a Short Scientific Paper	3
Total	**75**

5. SUGGESTED BIBLIOGRAPHY

1. Joyner, R. L. (2019). Writing a Thesis or Dissertation. Ioannis Konstantaras Publications, Athens (in Greek).
2. Houser, J. (2019). Research in Health Sciences. Ioannis Konstantaras Publications, Athens (in Greek).
3. Stalikas, A. & Kyriazos, T. (2019). Research Methodology and Statistics. Motivo Publishing S.A. – Topos Publications, Athens (in Greek).
4. Babbie, E. (2018). Introduction to Social Research (2nd edition). Kritiki Publications S.A., Athens (in Greek).

5. Zafeiropoulos, K. (2015). How to Conduct a Scientific Project? (2nd edition). Kritiki Publications S.A., Athens (in Greek).
6. Tokmakidis, S. (2008). Guide to Writing Theses and Dissertations. Paschalidis Publications (in Greek).

ANNEX OF THE COURSE OUTLINE

Alternative ways of examining a course in emergency situations

Teacher (full name):	Eleni Douda
Contact details:	edouda@phyed.duth.gr
Supervisors: (1)	NO
Evaluation methods: (2)	Written examination using distance learning methods
Implementation Instructions: (3)	Eligible to participate are students who have registered for and attended the course. They must also be familiar with the terms of distance learning. The course examination consists of the submission of a written assignment in the form of a short scientific article via e-class.