

**DEMOCRITUS UNIVERSITY OF THRACE**  
**DEPARTMENT OF PHYSICAL EDUCATION & SPORT SCIENCE**

*UNDERGRADUATE PROGRAM OF STUDY*

**COURSE TITLE:**

Workshop of Scientific Methodology on How to Write a Research Report

**COURSE CODE:**

N165

**ECTS CREDITS**

2

**RESPONSIBLE PROFESSOR:**

:

NAME	Savvas Tokmakidis	
POSITION	Professor	
SECTOR	Sports Training Theory and Application	
OFFICE	B2 -9	
TEL. / E-MAIL	2531039649	<a href="mailto:stokmaki@phyed.duth.gr">stokmaki@phyed.duth.gr</a>
CO-INSTRUCTORS	Helen Douda, <i>Associate Professor</i> Evangelos Albanidis, <i>Associate Professor</i> Evangelos Bebetos, <i>Assistant Professor</i>	

**SEMESTER:**

1ST     2ND     3RD     4TH   
5TH     6TH     7TH     8TH

**COURSE TYPE:**

OBLIGATORY   
DIRECTION   
SPECIALIZATION   
PREREQUIZITE FOR SPECIALIZATION   
ELECTIVE (*OPEN*)

**HOURS (per week):**

2

**DIRECTION**

*(only for 3<sup>rd</sup> & 4<sup>th</sup> year courses)*

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**SPECIALIZATION** *(only for 3<sup>rd</sup> & 4<sup>th</sup> year courses)*

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**LANGUAGE OF TEACHING:**

GREEK

ENGLISH

### **AIM OF THE COURSE** (*content and acquired skills*)

The aim of this course is to teach the basic principles of writing a scientific undergraduate dissertation. The course aims to teach students the basic principles of writing the dissertation: the choice of topic, the review of the literature, the research approach, the development of the methodology, the collection of data, the presentation of the results as well as the discussion and conclusion are the main themes developed in detail in this course.

### **COURSE CONTENTS** (*outline – titles of lectures*)

**Lecture 1** : Principles of writing a scientific report (dissertation)

**Lecture 2** : Standard procedure of the dissertation

**Lecture 3** : Select the title and purpose of the study

**Lecture 4** : Scientific approach of the problem

**Lecture 5** : Ways to search literature

**Lecture 6** : Literature Review (part I)

**Lecture 7** : Literature Review (part II)

**Lecture 8** : Methodological approach and data collection

**Lecture 9** : Presentation of results (Tables and Figures)

**Lecture 10**: Discussion and conclusion

**Lecture 11**: Studies with sociological, historical and philosophical characteristics

**Lecture 12**: Writing the literature of the study

**Lecture 13**: Presentation integrated structure of the dissertation

### **TEACHING METHOD** (*lectures – labs – practice etc*)

Lectures

### **ASSESSMENT METHOD(-S)**

Written assignments

## LEARNING

Upon the completion of this course the student will be able to:

1. Know the basic principles of writing a dissertation.
2. Apply the rules followed by writing a scientific paper.
3. Evaluate and present the major findings of a scientific study
4. Planning a research design to conduct a scientific study.

## LEARNING - CONTINUED

<i>Learning Outcomes</i>	<i>Educational Activities</i>	<i>Assessment</i>	<i>Students Work Load (hours)</i>
1. The students will learn the basic principles of writing a dissertation	Lectures, laboratory exercises, practice, study	Laboratory exercises	15
2. The students will apply the rules followed by writing a scientific paper.	Lectures, laboratory exercises, practice, study	Laboratory exercises	15
3. The students will evaluate and present the major findings of a scientific study	Lectures, laboratory exercises, practice, study	Laboratory exercises	15
4. The students will plan a research design to conduct a scientific study.	Lectures, laboratory exercises, practice, study	Final written assignments	15
		<b>TOTAL</b>	<b>60</b>

## OBLIGATORY & SUGGESTED BIBLIOGRAPHY:

1. Tokmakidis S. (2008). *Guidelines to Writing a Thesis*, Medical Publications P. Ch. Paschalides, Athens.
2. Jerry R. Thomas & Jack K. Nelson (2003). *Research Methods in Physical Activity I*, Medical Publications P. Ch. Paschalides, Athens.