

## COURSE OUTLINE

<b>RESPONSIBLE OF THE COURSE</b>	OURANIA MATSOULA, Professor D.P.E.S.S. – D.U.T.H. <a href="mailto:oumatsou@phyed.duth.gr">oumatsou@phyed.duth.gr</a>
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### 1. GENERAL

<b>SCHOOL</b>	PHYSICAL EDUCATION & SPORT SCIENCES		
<b>DEPARTMENT</b>	PHYSICAL EDUCATION & SPORT SCIENCES		
<b>LEVEL OF STUDIES</b>	POSTGRADUATE PROGRAMME		
<b>COURSE CODE</b>	<b>T101</b>	<b>SEMESTER</b>	<b>1<sup>th</sup></b>
<b>COURSE TITLE</b>	RESEARCH METHODOLOGY		
<b>Professor</b>	Ourania Matsouka		
<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>	MAJOR COURSE		
<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/PHYED7D102/">https://eclass.duth.gr/courses/PHYED7D102/</a>		

### 2. LEARNING OUTCOMES

<b>Learning Outcomes</b> <i>Please describe the learning outcomes of the course: Knowledge, skills and abilities acquired after the successful completion of the course.</i>
<p>The aim of the course is to introduce students to the methodology of scientific research and knowledge as well as to make clear to them the value of research in the field of tourism and recreation, the organization of events and dance, developing critical evaluation skills and cultivating their abilities for their systematic participation in research studies. This course aims at the theoretical and practical training of students in the basic methodological approaches and strategies for analyzing quantitative and qualitative data in the field of research through statistical packages. Specifically, the types of research and the stages of their conduct, the process of developing research tools, such as the questionnaire and the interview and observation, the procedures for the collection of input and analysis of quantitative data, the verification of the validity and reliability of a research and the way of writing and presenting a research paper, will be presented.</p> <p>Upon successful completion of the course students will be able to:</p> <ul style="list-style-type: none"> <li>Know the basic terminology of scientific research.</li> <li>Know the types of research and the stages of their conduct.</li> <li>Know various techniques for searching for the literature.</li> <li>Ask reasonable and feasible research questions, design the appropriate study for their purpose, write and implement a research proposal</li> <li>Use various techniques for data aggregation and coding</li> <li>Develop their ability to evaluate, interpret and present the results of their research.</li> </ul>
<b>General Skills</b> <i>Name the desirable general skills upon successful completion of the module</i> <i>Search, analysis and synthesis of data and information, Project design and management</i> <i>ICT Use Equity and Inclusion</i>

<i>Adaptation to new situations</i> <i>Decision making</i> <i>Autonomous work</i> <i>Teamwork</i> <i>Working in an international environment</i> <i>Working in an interdisciplinary environment</i> <i>Production of new research ideas</i>	<i>Respect for the natural environment</i> <i>Sustainability</i> <i>Demonstration of social, professional and moral responsibility and sensitivity to gender issues</i> <i>Critical thinking</i> <i>Promoting free, creative and inductive reasoning</i>
<ul style="list-style-type: none"> <li>- Search, analysis and synthesis of data and information, ICT Use</li> <li>- Adaptation to new situations</li> <li>- Decision making</li> <li>- Autonomous work</li> <li>- Teamwork</li> <li>- Working in an interdisciplinary environment</li> <li>- Equity and Inclusion</li> <li>- Demonstration of social, professional and moral responsibility and sensitivity to gender issues</li> <li>- Critical thinking</li> </ul>	

### 3. COURSE CONTENT

<ol style="list-style-type: none"> <li>1. Types of Scientific Research</li> <li>2. Basic Stages of Conducting Scientific Research</li> <li>3. Literature review – use of internet and databases</li> <li>4. Introduction to the basic skills of handling the statistical program SPSS</li> <li>5. Methods and Basic Principles of Sampling – The Characteristics of the sample, the context and the types of Sampling</li> <li>6. Test of validity and reliability of quantitative surveys</li> <li>7. Collection of quantitative data Questionnaires</li> <li>8. The structure of the research proposal</li> <li>9. Qualitative research I</li> <li>10. Qualitative research II</li> <li>11. Writing the research paper</li> <li>12. Applications of research methods</li> <li>13. Presentations of scientific articles with emphasis on research methodology</li> </ol>
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### 4. LEARNING & TEACHING METHODS - EVALUATION

<b>TEACHING METHOD</b> <i>Face to face, Distance learning, etc.</i>	<ol style="list-style-type: none"> <li>1. Face to face Lectures and practical applications as well as distance learning</li> <li>2. Practical classes</li> </ol>	
<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 in Teaching	
<b>TEACHING ORGANIZATION</b> <i>The ways and methods of teaching are described in detail.</i> <i>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>
	Lectures	40
	Study and analysis of literature	30
	Study and individual works,	68
	Presentations	50
		<b>188</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>	<ol style="list-style-type: none"> <li>1. Presentation (20%)</li> <li>2. Final written examination (80%)</li> </ol>	

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

## 5. SUGGESTED BIBLIOGRAPHY

1. American Psychological Association (2010). The Publication Manual of the American Psychological Association (6th edition). Washington, DC: American Psychological Association.
2. Στατιστική και μεθοδολογία έρευνας στις κοινωνικές επιστήμες, Αναστασιάδου ΔΣ., ΚΡΙΤΙΚΗ 2012, 9789602187784
3. Εισαγωγή στη Μεθοδολογία της Επιστημονικής Έρευνας, Δημητρόπουλος Ε., ΕΛΛΗΝ 2004, 139789602866450
4. Βασικές έννοιες εφαρμοσμένης στατιστικής στη φυσική αγωγή, Γούργουλης Β. και Μαυρομάτης Γ., ΣΑΛΤΟ 2002, 960-278114-9
5. Η Έρευνα στις Αθλητικές Επιστήμες - Στατιστική Ανάλυση / Αξιολόγηση, Καμπίτσης Χ., ΑΘΛΟΤΥΠΟ 2004, 960-823-727-0
6. Η έρευνα στην εκπαίδευση, John W. Creswell, Ιών 2016, 9605082012
7. Η διεξαγωγή της ποιοτικής έρευνας, Jennifer Mason, Πεδίο 2011, 9609552307
8. Η συγγραφή επιστημονικής εργασίας, Χρήστος Θεοφιλίδης, Τυπωθήτω 2013, 9604022156
9. Η ποιοτική έρευνα, Corrine Glesne, Μεταίχμιο 2018, 6180313148
10. Τεχνικές Έρευνας στις Αθλητικές Επιστήμες Στατιστική Ανάλυση – Αξιολόγηση, Καμπίτσης Χρήστος και Χαραχούσου Υβόννη, Μαίανδρος 1999, 9607434056
11. Μεθοδολογία έρευνας στη φυσική αγωγή, Κωνσταντίνος Β. Μπαγιάτης, Χριστοδουλίδη 1997, 960757714

## ANNEX OF THE COURSE OUTLINE

### Alternative ways of examining a course in emergency situations

<b>Teacher (full name):</b>	OURANIA MATSOUKA, Professor, D.P.E.S.S. – D.U.T.H.
<b>Contact details:</b>	<a href="mailto:oumatsou@phyed.duth.gr">oumatsou@phyed.duth.gr</a>
<b>Supervisors: (1)</b>	NO
<b>Evaluation methods: (2)</b>	Written examination with distance learning methods
<b>Implementation Instructions: (3)</b>	<p>The examination in the course will be carried out in subgroups of users in the e-class, depending on the number of participants in the course, on the day according to the examination program announced by the Secretariat.</p> <p>The exam will be conducted through Teams. The link will be sent to students via e-class exclusively to the institutional accounts of those who have registered for the course and have learned the terms of distance methods.</p> <p>Students will have to log in to the examination room through their institutional account, otherwise they will not be able to participate. They will also take part in the examination with a camera, which they will have open during the examination. Before the start of the exam, students will show their identity to the camera, so that they can be identified.</p> <p>Each student should answer multiple choice questions, free text development, critical thinking. Each of the questions is graded from 0.5 to 2.0 points depending on the question category.</p>

- (1) Please write YES or NO
- (2) Note down the evaluation methods used by the teacher, e.g.
- *written assignment* or/and exercises
  - written or oral examination with distance learning methods, provided that the integrity and reliability of the examination are ensured.
- (3) In the **Implementation Instructions** section, the teacher notes down clear instructions to the students:
- a) in case of **written assignment and / or exercises**: the deadline (e.g. the last week of the semester), the means of submission, the grading system, the grade percentage of the assignment in the final grade and any other necessary information.
  - b) in case of **oral examination with distance learning methods**: the instructions for conducting the examination (e.g. in groups of X people), the way of administration of the questions to be answered, the distance learning platforms to be used, the technical means for the implementation of the examination (microphone, camera, word processor, internet connection, communication platform), the hyperlinks for the examination, the duration of the exam, the grading system, the percentage of the oral exam in the final grade, the ways in which the inviolability and reliability of the exam are ensured and any other necessary information.
  - c) in case of **written examination with distance learning methods**: the way of administration of the questions to be answered, the way of submitting the answers, the duration of the exam, the grading system, the percentage of the written exam of the exam in the final grade, the ways in which the integrity and reliability of the exam are ensured and any other necessary information.
- There should be an attached list with the Student Registration Numbers only of students eligible to participate in the examination.