

Course Title	THESIS I				
Course Code	SSTHE403-1				
Course type	PHYSICAL EDUCATION AND SPORT SCIENCE ELECTIVE				
Level	BSc (Level 1)				
Year / Semester	4th / Fall				
Teacher's Name	All Academic Staff				
ECTS	6	Lectures / week	1	Laboratories / week	
Course Purpose	<p>The main objective of the course is to provide students with all the necessary skills they need for the design, organization, and implementation of a scientific proposal/protocol as well as the adequate analysis, documentation, and presentation of its content. The ultimate goal of the course is the completion and support of the research proposal of the Dissertation that will follow, as well as its support through an oral presentation under the individual guidance and supervision of the student's instructor.</p>				
Learning Outcomes	<p>Upon completion of the course students are expected to be able to:</p> <ul style="list-style-type: none"> • Demonstrate the ability to critically evaluate research articles and systematic reviews • Ask research questions on sports science, physical education and exercise issues, design the appropriate study for their purpose, write and implement a research proposal • Develop their ability to evaluate research data regarding research methodology in order to deepen and update their knowledge in this field. • List in a logical time sequence the stages required for the organization and implementation of literature review and experimental work. • Identify relevant scientific sources through search in printed and electronic databases and critically approach the extracted scientific information. • Describe and explain the structure of scientific articles, clearly summarize their content and synthesize it into a single text. • Evaluate and discuss issues related to research bioethics and ethics. 				

	<ul style="list-style-type: none"> • Design, organize, compose and implement a descriptive research proposal in the field of sports science in accordance with international standards and using reputable bibliographic systems. • Present, discuss, and analyze the problem, the purpose, and the methodology of their research proposal. • Organize and present their research proposal through printed textbook as well as oral presentation before the public. 		
Prerequisites	No	Corequisites	No
Course Content	<p><u>Attendance of seminars:</u> Students participate in predetermined lectures for the course of the Dissertation, in the context of which special issues are presented and analyzed concerning the acquaintance with the different types of scientific work, the design and implementation of research as well as the writing and presentation of the thesis.</p> <p><u>Preparation and presentation of a research proposal:</u> The students, under the guidance of their supervisor, prepare a research proposal on the topic they have undertaken and are going to study. The topic is finalized after students adequately support their research proposal/protocol both in print and orally before the public.</p> <p>A detailed description of the course's content and prerequisites can be found in the Dissertation Preparation Guide.</p>		
Teaching Methodology	<p>Theory The teaching of the course includes lectures on the offer of the theoretical background. The teaching uses detailed notes with PowerPoint and material rich in images and videos. Methods such as research scenarios, interactive research methodology and statistical analysis in examples and discussion, Relevant material published in international scientific journals is also used to monitor the latest developments related to the subject of the course, the choice of the topic of the dissertation.</p>		
Bibliography	<p>Picardi CA, Masick KD. (2013) Research Methods Designing and Conducting Research with a Real-World Focus. SAGE Publications Ltd, London</p> <p>Higgins JPT, Green S. (2011) Cochrane Handbook for Systematic Reviews of Interventions Version 5.1.0. The Cochrane Collaboration</p> <p>Larry Christensen, R. Burke Johnson, Lisa A. Turner. (2010) Research Methods, Design, and Analysis, 11th Edition, Allyn and Bacon</p> <p>Padgett DK. (2011) Qualitative and Mixed Methods in Public Health. SAGE Publications Ltd, London</p>		

	<p>Saks M Allsop J. (2012) <i>Researching Health Qualitative, Quantitative and Mixed Methods</i>, Second Edition. SAGE Publications Ltd, London</p> <p>Marder P. Michael, (2011) <i>Research Methods for Science</i>. Cambridge University</p> <p>Hicks C. (2009) <i>Research Methods for Clinical Therapists: Applied Project Design and Analysis</i>, Churchill Livingstone</p>
Assessment	<p>The evaluation process shall include:</p> <ul style="list-style-type: none"> • The evaluation of the content of the dissertation research proposal by the examination committee. The Counsel confirms to the other members of the selection board that the plagiarism rate does not exceed the permissible limits for the members of the evaluation committee • The public presentation of the Dissertation, in the examination committee's presence, where the student presents his/her work. It is mandatory that the presentation is supported by a slideshow. • The support of the proposal of the Dissertation by the student, i.e. his/her satisfactory answer to questions related to the topic of his/her Thesis. If other members of the three-member committee or students are present, they may also ask clarifying questions. <p>For more details, please refer to the "Thesis Guide".</p>
Language	Greek / English