

<b>Course Title</b>	<b>Thesis II – Proposal Implementation</b>				
<b>Course Code</b>	PHYS412				
<b>Course Type</b>	Compulsory				
<b>Level</b>	Bachelor (Level 1)				
<b>Year / Semester</b>	4 <sup>th</sup> /Spring				
<b>Instructor's Name</b>	All the Academic Staff				
<b>ECTS</b>	6	<b>Lectures / week</b>	3	<b>Laboratories/week</b>	
<b>Course Purpose</b>	This course aims to provide students with all the necessary skills they need for the design, organization and implementation of a scientific study as well as the adequate analysis, documentation and presentation of its content. The ultimate goal of the course is the completion of a scientific textbook as well as its support through oral presentation under the individual guidance and supervision of a three-member advisory committee as well as by the person in charge of the specific course.				
<b>Learning Outcomes</b>	<p>Upon completion of the course, students are expected to be able to:</p> <ul style="list-style-type: none"> <li>• Design, organize, synthesize and implement a descriptive literature review and/or experimental study in the subjects of health sciences in accordance with international standards and using reputable bibliographic systems.</li> <li>• They clearly present the problem, the purpose, the methodology and the results obtained from the analysis of the data of an experimental study as well as to substantiate the findings and contrast them with a critical approach with findings of other studies.</li> <li>• Organize and carry out the presentation of a scientific paper in text as well as in public oral presentation.</li> </ul>				
<b>Prerequisites</b>	BSc Thesis I	Co-requisites		None	
<b>Course Content</b>	<p><b>Course attendance:</b> The student participates in predetermined lectures for the dissertation course, in the context of which specific topics are presented and analyzed, mainly related to the documentation of scientific information and the ability to summarize and present the content of the thesis in accordance with the conditions set by the Dissertation</p> <p><b>Preparation Guide.</b> Supervision and guidance: On a regular weekly basis, meetings are held between the student and the supervisor in order to provide guidance, organize the progress of the project and obtain feedback on the progress of the implementation of the project.</p>				

	<p><b>Presentation of the thesis:</b> After the scientific search is completed, the student writes his paper according to the instructions provided in the Dissertation Preparation Guide. Upon acceptance of the final text by the Three-Member Committee, the student receives a date for the presentation of his/her work before the Three-Member Committee. After the acceptance of the assignment and the grading by the Three-Member Committee, the student delivers the final text to the Secretariat of the Department in order to receive a grade in the course. A detailed description of the content and the prerequisites of the course are presented in the Dissertation Preparation Guide.</p>
<p><b>Teaching Methodology</b></p>	<p><b>Theory</b></p> <p>The delivery of the course includes lectures on the theoretical background. Detailed notes with PowerPoint presentations and material rich in images and videos. Methods such as case studies, clinical scenarios, discussion, questions/answers are used in teaching methodology depending on the nature of the course. clinical scenarios. Relevant material published in international scientific journals is also used to follow the latest developments related to the subject of the course. Finally, frequent meetings with the supervisor are taking place in order to discuss the progress and completion of the thesis.</p> <p><b>(For more information please refer to the ‘Thesis guidelines’ guide)</b></p>
<p><b>Bibliography</b></p>	<p><b><u>Textbooks:</u></b></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) Researching Health Qualitative, Quantitative and Mixed Methods, Second Edition. SAGE Publications Ltd, London</p> <p>Picardi CA, Masick KD. (2013) Research Methods Designing and Conducting Research with a Real-World Focus. SAGE Publications Ltd, London</p> <p>Marder P. Michael, (2011) Research Methods for Science. Cambridge University</p>
<p><b>Assessment</b></p>	<p>The examination process includes:</p> <ul style="list-style-type: none"> <li>• The evaluation of the content of the Bachelor's Thesis by the examining committee. The Advisor confirms to the other members of the examination committee that the rate of plagiarism does not exceed the permissible limits for the members of the evaluation committee</li> </ul>

	<ul style="list-style-type: none"> <li>• The public presentation of the Bachelor's Thesis, in the presence of the examination committee, students of the Program and is an open process (if and as long as the student himself wishes, otherwise the presentation takes place only in the presence of the examination committee). In the first part of the presentation, the student presents his work. It is mandatory that the presentation is supported by a slide show.</li> <li>• The support of the Graduate Thesis by the student, i.e. his satisfactory response to questions related to the topic of his Thesis. If there are other members present TRS or students, may also submit clarifying questions.</li> </ul> <p>For further details, refer to "Thesis Guidelines" guide.</p>
<b>Language</b>	Greek / English