

## MASTER THESIS OUTLINE

### (1) GENERAL

SCHOOL	of MEDICINE		
DEPARTMENT			
LEVEL OF STUDIES	POSTGRADUATE		
COURSE CODE	TAO - 401	SEMESTER OF STUDY	4
COURSE TITLE	MASTER'S THESIS		
INDEPENDENT TEACHING ACTIVITIES		WEEKLY TEACHING HOURS	CREDIT UNITS
			30
TYPE OF COURSE	Specific background, specialisation, general knowledge, skills development		
PREREQUISITE COURSES:	-		
LANGUAGE OF TEACHING AND EXAMINATION:	English		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	NO		
ELECTRONIC COURSE PAGE (URL)			

### (2) LEARNING OUTCOMES

Learning Outcomes
<p>Upon successful completion of the course, students will:</p> <ul style="list-style-type: none"> <li>• Have built up a solid background of prior knowledge in the field of vision sciences</li> <li>• They have broadened the knowledge of their undergraduate studies to include new subjects that allow them to understand and deepen their understanding of the interdisciplinary field of vision sciences</li> <li>• Have acquired expertise (theoretical knowledge and specialised skills) in the areas of specialisation of the postgraduate thesis.</li> <li>• They have learned how to conduct research, the relevant ethical issues, how to make presentations and will have gained information on relevant research direction and cutting-edge research</li> <li>• They have developed the skills and competences necessary for conducting research: understanding and presenting scientific articles, writing a literature review, developing scientific judgement, formulating research hypotheses and checking their validity.</li> <li>• They have cultivated their ability to work in interdisciplinary teams focused on cutting-edge vision technologies, through participation in collaborative research and development projects with industry or academia.</li> <li>• Have learned to apply their knowledge to solve practical problems</li> </ul>
General skills
<ul style="list-style-type: none"> <li>• Interdisciplinary broadening of knowledge</li> <li>• Dealing with complex problems</li> <li>• Development of scientific thinking</li> <li>• Decision-making</li> <li>• Adapting to new situations, exposure to international environment</li> <li>• Autonomous work</li> </ul>

- *Management of time and deadlines*
- *Developing the ability to summarise concepts*
- *Teamwork*

### (3) COURSE CONTENT

Dependent on the subject of the postgraduate thesis

### (4) TEACHING and LEARNING METHODS - EVALUATION

<b>METHOD OF DELIVERY</b>	Face to face	
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGIES</b>	All available and tested ways	
<b>ORGANISATION OF TEACHING</b>	<b>Activity</b>	<b>Semester workload (hours)</b>
	Designing the research project, conducting experiments, completing the analysis of the results, drawing the final conclusions.	70
	Guided Study	30
	Postgraduate Thesis Writing	150
	Total Course	250
<b>STUDENT ASSESSMENT</b>	<p>Language of Evaluation: English</p> <p>The student presents publicly before the examination board. The Master's thesis is examined by the examination committee in accordance with the applicable provisions and includes oral support of the thesis before an audience at a date and time determined by the examination committee.</p> <p>After the presentation - support of the Master's thesis, the three-member Examination Committee draws up and signs a record of the public presentation of the Master's thesis in which any comments or remarks as well as the final evaluation of the thesis are recorded. The text submitted by the student must meet the requirements and structure of a scientific paper, i.e. it must include a description of the topic of the thesis, an introductory part with a brief review of the field and a description of the research question, methodology, research results and findings of the study, discussion of the results, bibliography and any other necessary supporting or explanatory elements (necessary figures, diagrams, photographs, images, etc.). It shall be written in English and accompanied by a short abstract of approximately 300 words in both Greek and English. In the first few pages of the thesis, the PS must state that the thesis is not plagiarised, either in whole or in part.</p> <p>No grading is foreseen for the Master's thesis. The evaluation of the Master's thesis is done according to the pass/fail scale.</p>	

If the thesis is considered unsatisfactory by the committee, the committee may ask the graduate student to improve it, to modify certain parts of it, or to radically reform it. The committee shall set a specific time frame within which the thesis must be resubmitted modified in accordance with its recommendations.

#### **(5) RECOMMENDED-BIBLIOGRAPHY**

- Dependent on the subject of the postgraduate *thesis*