

Course Title	<b>Master Thesis</b>				
Course Code	<b>WSS590</b>				
Course Type	<b>Required (Research)</b>				
Level	Master (2nd Cycle)				
Year / Semester	2 / 3 (Fall)				
Teacher's Name	Andreas Constantinides, PhD				
ECTS	20	Lectures / week	None	Laboratories / week	None
Course Purpose and Objectives	The aim of the course is to demonstrate that the student is capable of conducting research at the forefront of knowledge on a field relevant to the specific program of study				
Learning Outcomes	<ul style="list-style-type: none"> <li>• Carry out investigation in the forefront of knowledge in the area related to topic of the student's Thesis.</li> <li>• Demonstrate competency in the methodologies needed for a successful research project implementation.</li> <li>• Employ analytical, modelling and experimental methodologies for the implementation of a research project.</li> <li>• Use appropriate software and hardware tools to support the implementation and evaluation of a research project.</li> <li>• Formulate appropriate assessment criteria, and evaluate the outcome of a research project.</li> <li>• Draw conclusions on the investigations of a research project, and propose areas for improvements and future developments.</li> <li>• Produced a structured written report on the work of a Master's level research project.</li> <li>• Critically comment on the results of a research work and relate to other published research and scientific work.</li> <li>• Defend orally the implementation and evaluation methodologies employed, as well as the outcomes of a Master's level research project.</li> </ul>				
Prerequisites	WSS589	Required	None		
Course Content	<p>The Master Thesis is a research oriented work at the forefront of knowledge within the specialization of the student.</p> <p>A student registered in this course is expected to implement the objectives of the Thesis, using the methodology proposed in the ACSC589 (Research Proposal) course, according to the approved planning. After conducting their research work, students are expected to deliver a detailed project report that describes their research work and also present their project outcomes to their project Assessment Committee, as well as defend their work during an oral presentation.</p>				
Teaching Methodology	The student is expected to use appropriate analytical, modelling and experimental methodologies for the implementation of the objectives of the Master's project approved by the student's Assessment Committee in the				

	<p>ACSC589 (Research Proposal) course.</p> <p>The student is expected to meet regularly with his Thesis Advisor to ensure that the set objectives, methodologies and planning are met, to work independently for producing a written report on the work of the Master's Thesis, and to prepare a presentation for the oral defence of the Thesis.</p>
Bibliography	No specific book is assigned. Students are expected to consult a variety of information sources, including textbooks, manuals, scientific and research papers.
Assessment	<ul style="list-style-type: none"> <li>• Adequacy of sources consulted 20%</li> <li>• Design methodology and implementation 20%</li> <li>• Evaluation methodology 20%</li> <li>• Presentation and quality of the report 20%</li> <li>• Oral Presentation 20%</li> </ul>
Language	English