

### AΕΕΕ597 - Research Methodology and Proposal Preparation

Course Title	Research Methodology and Proposal Preparation				
Course Code	AΕΕΕ597				
Course Type	Compulsory				
Level	MSc (Level 2)				
Year / Semester	1 / 1				
Teacher's Name	Student's Research Advisor (any Teaching and Research Staff member of the Department.)				
ECTS	6	Lectures / week	NA	Laboratories / week	NA
Course Purpose and Objectives	<p>This course aims to educate Master students on the methods employed by the researcher to conduct research and on the practices employed in research related activities such as activities related to research proposals, refereed publications and research outcome presentation and reporting.</p> <p>The student is expected to meet with his/her research advisor regularly, in order to be guided to the research methodology approaches and decide on the research problem to be addressed and the proposed research hypothesis. To this end, the student must investigate the current state of knowledge in the research area of the proposed thesis, and decide on the expected contributions of his/her work.</p>				
Learning Outcomes	<p>By the end of this course, students will be able to:</p> <ul style="list-style-type: none"> <li>(a) demonstrate an understanding of the role and significance of the key elements of the research process;</li> <li>(b) use effectively the available sources of information and data in relation to the research process;</li> <li>(c) appreciate the need for validating and evaluating the research results and outcomes;</li> <li>(d) employ internationally established practices concerning research integrity, as well as research ethical and legal issues;</li> <li>(e) show competency in disseminating research results through scientific conferences and refereed journal publications;</li> <li>(f) demonstrate competency in writing and presenting a successful research proposal, as well as a research final report;</li> </ul>				
Prerequisites	None		Co-requisites	None	
Course Content	Not Applicable				
Teaching Methodology	Not Applicable				



Bibliography	Not Applicable
Assessment	<p>These are “Pass” / “Fail” courses.</p> <p>The student is expected to submit a preliminary research proposal report, stating the research problem to be addressed, the motivation and novelty of the research work, and the proposed research hypothesis. The preliminary research proposal is assessed by the student’s Research Advisor.</p> <p>The Preliminary Report will form the basis of the Research Proposal Report to be submitted for the Graduate Research (AEEE598) course</p>
Language	English