

Course Title	Senior Project Planning				
Course Code	ACOE489				
Course Type	Compulsory				
Level	Bachelor (1st Cycle)				
Year / Semester	4 <sup>th</sup> Year. 7 <sup>th</sup> Semester				
Teacher's Name	Prof Costas Kyriacou				
ECTS	6	Lectures / week	0	Laboratories / week	0
Learning Outcomes	<ol style="list-style-type: none"> <li>1. Integrate and apply the knowledge acquired throughout their undergraduate studies in order to identify and formulate computer engineering related problems that can form the basis of a senior level design project.</li> <li>2. Perform literature searches and retrieve and analyze information.</li> <li>3. Propose and justify a methodology to be employed for the implementation of a Bachelor's level Project.</li> <li>4. Demonstrate competency in the methodologies needed for a successful design project proposal, planning, and implementation.</li> <li>5. Employ written and oral communication skills, and use effectively a variety of communication media, including audio, visual, diagrammatic and on-line.</li> <li>6. Produced a structured written report proposing a Bachelor's level design project.</li> <li>7. Defend orally the Proposal of the proposed Bachelor's level project.</li> </ol>				
Prerequisites	Senior Year Status	Corequisite			
Course Content	<p>To satisfy the requirements of the program, students must successfully complete a Senior Project. This is achieved through a two-semester course sequence (ACOE489 and ACOE490) that students must complete during their senior year (last two semesters of their studies). This is a design project where students are expected to design hardware units, interface them with existing hardware units and develop software to solve problems. It also possible for a student to only develop software or use existing software tools to analyse and evaluate a proposed scheme in the content of Computer Engineering.</p> <p>With the Senior Project Planning (ACOE489) course, students must consult with the faculty of the Department in order to select the topic of their project</p>				

	<p>and specify its objectives. After choosing the senior project topic each student is assigned by the Department a project Advisor and a “Second Reader”. The Second Reader participates in the assessment of the project.</p> <p>The student, in consultation with his advisor, should conduct the necessary background reading so as to obtain a deep understanding of the problem area and better appreciate the problems faced and goals set. Students should also investigate appropriate research methods where applicable. Finally students are expected to develop a project plan outlining the activities that are to be undertaken within the timeframe provided.</p> <p>By the end of the course, the student must submit to the Department a project planning report that includes the project proposal with the detailed objectives and contributions of the project, a literature review on the topic of their project, the methodology to be used, the expected results, and the planning for the implementation of the project. Finally, the students must present their project proposal and planning to their advisor, the second reader, other faculty members and their classmates.</p>
Teaching Methodology	<p>At the beginning of the course, students must consult with the academic staff and decide on the topic of their Senior Project. After deciding on the topic of the project, the student is assigned a project Advisor by the Department.</p> <p>The Student is expected to meet regularly with his Project Advisor to set the objectives and contributions of the Project, and decide on the methodology to be used.</p>
Bibliography	<p>No specific book is assigned. Students are expected to consult a variety of information sources, including textbooks, manuals and scientific papers.</p>
Assessment	<p>Assessment is based on a Project Proposal report and an oral presentation, and is carried out by the student’s Project Advisor (60%) and the Second Reader (40%).</p> <p>Assessment Weights:</p> <ul style="list-style-type: none"> <li>➤ Project Proposal Application <ul style="list-style-type: none"> <li>• Suitability and completeness of set objectives 10%</li> </ul> </li> <li>➤ Project Proposal Report <ul style="list-style-type: none"> <li>• Literature review of existing knowledge 20%</li> <li>• Proposed methodology and planning 20%</li> <li>• Structure and Overall quality of proposal report 20%</li> </ul> </li> <li>➤ Oral Presentation 30%</li> </ul>
Language	English

