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| Course Title | Project Preparation | | | | |
| Course Code | ACSC489 | | | | |
| Course Type | Compulsory | | | | |
| Level | BSc (Level 1) | | | | |
| Year / Semester | 4th (Fall/Spring) | | | | |
| Teacher's Name | (Project Supervisors) | | | | |
| ECTS | 6 | Lectures / week | 1 | Laboratories/week | N/A |
| Course Purpose | The course aims to introduce Computer Science students to independent work and the application of all the knowledge and skills developed throughout the course for completing their final year project. The final year project is divided into two semesters. During the first semester the students must select a final year project and start their project preparation. At the end of the first semester students are expected to submit an interim preliminary report, and deliver a presentation regarding their final year project. | | | | |
| Learning Outcomes | Upon successful completion of the course students will be able to:<br>1. Ability to integrate and apply the knowledge they acquire throughout the program in order to identify, formulate and solve computer science related problems, using established methods.<br>2. Competence in information management skills and ability to retrieve, analyse and evaluate information from different sources.<br>3. Capacity for analysis and synthesis and ability to collect, interpret, understand, evaluate and assess information and employ logical thinking to solve a problem.<br>4. Ability to work autonomously and organize available time.<br>5. Capacity to demonstrate research skills and acquire new knowledge.<br>6. Capacity to demonstrate oral and written communication skills in order to communicate the work carried out. | | | | |
| Prerequisites | Senior Status | | Co-requisites | None | |
| Course Content | • **Project Preparation**: Students are expected during the first two weeks of the semester to visit the Computer Science Project website in order to obtain an idea of the project proposals and ideas that could be used as a final year project. Also student are expected to arrange meetings with project supervisors to request more information about the project(s) that they are interested in.<br>• **Assigning Projects**: By the end of the first month of the semester (October for Fall semester, February for Spring semester) students are expected to select a project and select a project supervisor. The project description and aims are uploaded on the project website and project supervisors register students using the online system. | | | | |

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| | • **Responsibilities**: During the following two weeks after a project has been selected, students should prepare a timetable and plan their time accordingly having in mind that their time must be organised between courses and the final year project. Having previously discussed the project objectives with their project supervisor, students should develop a Gantt chart with firm deadlines with the aims and milestones of the project.<br>• **Project Scheduling**: Within the next month (November for Fall semester, March for Spring semester) students should research and submit to their project supervisor a literature review of the project, which is going to be included in the preliminary report, and later on in their final year project report.<br>• **Deadlines**: One week before the end of the semester students are expected to submit their preliminary report to their project supervisor. By the end of the semester students should be able to demonstrate knowledge and understanding of the project specifications and objectives. Furthermore students should be able to know which tools and/or programming languages should be used and be able to justify why they have been selected. Also students should be able to know what is expected to be developed during their final year project. In their preliminary report students are expected to address the above issues. The style and the content of the report should be discussed with project supervisors, based on the Departmental Style Guide.<br>• **Deliverables**: Finally students are expected to prepare a brief presentation for their project and the work carried out so far. In their presentation students should be able to demonstrate and address all the above issues regarding their final year project. The project presentations are taking place one week after the end of the semester exams. |
| Teaching Methodology | Contact time with project supervisor: Once per week, accordingly. Contact time with other members of the faculty (for guidelines/help): By appointment.<br>Project work is supplemented with a one period per week contact time with the project coordinator or with project supervisors to ensure that students have followed through the procedure of undertaking a project. Moreover, during contact time students obtain useful information on project planning, finding, accessing and evaluating resources, and most importantly structuring the work carried out for the project in a manuscript (preliminary report) and preparing a short oral presentation. |
| Bibliography | <u>Textbooks:</u><br>• Students are expected to reference a number of books relevant to their project work.<br><u>References:</u><br>• Students are expected to reference a number of books, periodicals and other referenced material relevant to their project work |
| Assessment | By the end of the semester students should be able to demonstrate knowledge and understanding of the project specifications and objectives. Furthermore students should be able to know which tools and/or programming languages should be used and be able to justify why they |

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| | have been selected. Also students should be able to know what is expected to be developed during their final year project. In their preliminary report students are expected to address the above issues.<br>Students are expected to prepare a brief presentation for their project and the work carried out so far. In their presentation students should be able to demonstrate and address all the above issues regarding their final year project.<br>• Preliminary Report: 60%<br>• Presentation Evaluation: 40% |
| Language | English |