Course Syllabus

Course Code	Course Title	ECTS Credits
COMP-599DL	Thesis	20
Prerequisites	**Department**	**Semester**
All required courses	Computer Science	Fall
Type of Course	**Field**	**Language of Instruction**
Elective	Computer Science	English
Level of Course	**Lecturer(s)**	**Year of Study**
2nd Cycle	Prof. Philippos Pouyioutas	2nd
Mode of Delivery	**Work Placement**	**Corequisites**
Distance Learning	N/A	None

Course Objectives:

This is expected to be an independent research study by the MSc candidates on a topic of their own choice. Subsequent to the approval of a thesis proposal, the candidate chooses a thesis supervisor from the faculty members teaching in the graduate MSc Computer Science programme. The thesis work must meet similar quality standards like those of academic papers published at respectable journals and conferences. The co-ordination of the thesis allocation to the faculty members teaching in the progarmme is the responsibility of the MSc co-ordinator.

Learning Outcomes:

By the end of the course the student should be able to:

- Carry out independent research
- Critically evaluate current and state-of-the-art developments in the subject area and provide his/her own contribution to the creation of new knowledge or to the application of existing knowledge in solving complex problems
- Write professional documents and scientific papers
- Present written and verbal coherent arguments to support his thesis

Course Content:

The MSc thesis should:

1. give a critical assessment of the relevant literature, describe the method of research and its findings, include discussion on those findings and indicate in what respects they appear to the student to advance the study of the subject; and, in so doing, demonstrate a deep and synoptic understanding of the field of study
2. consist of the student's own account of his/her investigations, the greater proportion of which must have been undertaken during the period under supervision
3. make clear the resources from which information has been derived, the extent to which the work of others has been used
4. demonstrate critical judgment with regard to both the student's work and the work of others
5. be an integrated whole and present a coherent argument
6. include a full bibliography and references
7. demonstrate, along with the oral examination, that the student has adequate knowledge and understanding of the discipline and the context within which the research is grounded and of the literature relevant to the research
8. demonstrate the ability to put forward arguments in an appropriate form, verbally and in writing
9. demonstrate research skills relevant to the thesis being presented

Learning Activities and Teaching Methods:

Independent Research/Sessions with Supervisor

Assessment Methods:

Submission and presentation of the final thesis to a Committee consisting of the faculty supervisor and two other faculty members.

Required Textbooks / Readings:

Depending on subject.