



Course Syllabus

Course Code COMP-492	Course Title Industry Placement	ECTS Credits 6
Prerequisites 3 rd of 4 th year of study Preferably GPA 3.0 or higher; consent by the Department	Department Computer Science	Semester Fall, Spring
Type of Course Elective	Field Computer Science	Language of Instruction English
Level of Course 1 st Cycle	Lecturer(s) Dr. Constandinos Mavromoustakis	Year of Study 3 rd or 4 th
Mode of Delivery Face-to-face	Work Placement N/A	Corequisites None

Course Objectives:

The main objective of the course is the practical experience and the provided opportunity to students to apply and integrate knowledge acquired through coursework. The industry placement experience assists students in discovering, developing and refining necessary competencies and skills for their career objectives. Students will explore their acquired knowledge by applying theoretical foundations and practical methodologies to real-world problems in industrial and research institutions. Furthermore, students will:

- contribute to solve real-world problems in industrial and/or other organizations where the practical experience will be hosted;
- understand workplace organization and chain of command and how to work within an institutional structure and team-oriented culture;
- demonstrate knowledge and skills acquired by the Computer Science curriculum/program and apply them to a real-world problem(s), providing partial or complete solution(s).

Learning Outcomes:

After completion of the course students are expected to be able to:

1. critically assess the current industrial level in the respective field of concentration.
2. understand the role and importance of practical implementation of a specific field/topic in Computer Science and the practical assessment.

3. apply research and assessment to evaluate devices/software, and assess the effectiveness and meeting user needs.
4. understand the concept of industrial culture and teamwork motivation and its relationship to work.
5. perform effectively in a professional/industrial and research work-environment.
6. use communication, writing skills and knowledge acquired by the Computer Science curriculum in the workplace.
7. realize and understand workplace organization and chain of command and how to work within institutional structure and team-oriented culture.
8. demonstrate knowledge and skills learned in the Computer Science curriculum/program and apply them to a real-world problem.
9. understand roles and activities of the supervisor and other colleagues/employees and design and carry out a project.

Course Content:

The course contents vary according to each project's nature. Topics will be related to Computer Science and Computer Systems technologies and relevant fields targeting tangible best practices. Students will be able to explore, demonstrate and provide solution(s) within the context of the project.

Learning Activities and Teaching Methods:

Independent Research or applied development. Meetings with supervisor.

Assessment Methods:

- Log Book
- Self-Reflection Report
- Self Evaluation Report
- Supervisor Evaluation by employer/host at end of placement

Required Textbooks / Readings:

Depends on topic*

Recommended Textbooks / Readings:

Depends on topic*

**Note: Published articles as well as Industrial manuals and white papers in the field will also be considered as a part of the required reading material.*