COMPUTER ENGINEERING RESEARCH

Master in Engenharia Informática

Code: 26208

Main Scientific Area: Computer Science

Lecturer: Paulo Adriano Marques Sousa Teixeira

Language of Instruction: Portuguese

Regime: S2

Contact Hours: 30h Total Workload: 138h

ECTS: 6,0

Objectives

Learning research methodologies that can help to acquire knowledge to carry out the master's thesis, among other scientific works.

Learning Outcomes

Search, in international databases, scientific articles, master's dissertations and doctoral theses; Understand the main research methodologies; Carry out a critical review of the literature to know the state of the art of the research topic; Analyze the importance of good data communication; Create content according to the research theme; Writing scientific documents; Prepare a dissertation project/plan; Structuring a dissertation; Present a dissertation/project/internship project

Course Contents

Writing and analysis of scientific papers. Writing the dissertation/project/internship project. Presentation and argumentation of the master's theme (theme structuring, research questions, analysis of the state of the art). Methodologies. Choice of methodology to be developed in the dissertation. The formal organization of a dissertation; How to structure a Master's thesis.

Recommended Bibliography

Creswell, J. W. (2022).Research design: qualitative, quantitative, and mixed methods approaches. 6ed,SAGE Publications

Maria José Sousa, Cristina Sales Batista - Como fazer teses, dissertações e relatórios segundo Bolonha. Lidel 2011;

Learning and Teaching Methods

The main objective of the Curricular Unit of Project Seminars is the approach of research methodologies that can help students to acquire knowledge for the realization of the master's thesis. The proposed syllabus ensures the development of these skills, as well as the writing of articles and other scientific content.

Assessment Methods

The student's performance in the discipline will be evaluated through:

Critical review of an article, with a weight of 40% for this component;

Elaboration of a state of the art supported in all the contents of this curricular unit. This component will correspond to a weighting of 60% of this component in the final grade.