Course Unit	Project Web			Field of study	Computer Science	
Bachelor in	Multimedia			School	School of Public Management, Communication and Tourism	
Academic Year	2023/2024	Year of study	3	Level	1-3	ECTS credits 6.0
Type	Semestral	Semester	1	Code	9213-656-3105-00-23	

Workload (hours)	162	Contact hours	T -	TP 60	PL -	TC -	S -	E -	OT -	O -

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s)	Arlindo Costa dos Santos, Catarina Machado Almeida

Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:
1. Provide the necessary professional skills for the develop of a web site in its final product format.
2. Apply practical training and interdisciplinary interconnection, combining the various technologies and knowledge acquired throughout their course.
3. Enable students to solve problems in situations similar to those that they will find in the job market.
4. Creatively develop an idea from a theme and follow all the steps of implementing a web project.

Prerequisites

Before the course unit the learner is expected to be able to:
1. Computer programmer skills
2. Interface design skills

Course contents

The steps of process: - Analyse and research - Planning: - Design and prototyping - Implementation - Testing and validation - Publication

Course contents (extended version)

1. Analysis and research
   - Business strategies
   - User studies
2. Planning
   - Work plan
   - Technologies
   - Quality requirements
   - Result of website
   - Budget
   - Content
   - Funcionalities
3. Design and prototyping
   - Map site
   - Information Architect
   - Wireframe and mockups
   - Interface and interaction design
4. Implementation
   - Front-end
   - Back-end
5. Testing and validation
6. Publication

Recommended reading

1. King, D. (2017). The Complete Website Planning Guide: A step-by-step guide on how to create a practical and successful plan for your next web design project. Ireckon Publishing. ASIN: B074WNDRR9
2. Nielsen, J. (2006). Projetando Websites. Editora Campus. ISBN: 9788535206562
3. Horine, G. (2017). Project Management Absolute Beginner's Guide. Que Publishing. ISBN: 9780789756756
4. Horton, S. & Lynch, P. (2004). Guia de Estilo da Web: Princípios básicos de design para a criação de web sites. Editorial Gustavo Gili. ISBN 9788425219320
5. Vilhauer, C. & Barker, D. (2021). The Web Project Guide: From Spark to Launch and Beyond Kindle Edition. Story Chorus; First Edition. ISBN 9781955362993

Teaching and learning methods

At the beginning of the semester, each group will have a real problem, whose solution is the delivery of a web site. During the semester there are discussions about the project and workshops of the teacher and guests to support the project.

Assessment methods

1. Final evaluation - (Regular, Student Worker) (Final, Supplementary, Special)
   - Projects - 100% (Group project with 3 phases: plan, design and development.)
2. Incoming/Outgoing - (Regular, Student Worker) (Final, Supplementary, Special)
   - Projects - 100%

Language of instruction

Portuguese, with additional English support for foreign students.

Electronic validation

Arlindo Costa dos Santos, Catarina Machado Almeida	Ana Lucia Jesus Pinto	Anabela Neves Alves de Pinho	Luisa Margarida Barata Lopes
19-10-2023	29-10-2023	30-10-2023	01-11-2023