INSTITUTO POLITÉCNICO DE BRAGANÇA

Course Unit	Final Project			Field of study	Project		
Bachelor in	Renewable Energy Engineering			School	School of Technology and Management		
Academic Year	2021/2022	Year of study	3	Level	1-3	ECTS credits	6.0
Type	Semestral	Semester	2	Code	9910-743-3203-00-21		

Workload (hours)	162	Contact hours	T	TP	PL	TC	S	E	OT	O
			-	-	54	-	6	-	-	-

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): Ana Maria Alves Queiroz da Silva

Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:
1. develop scientific habits of reasoning and stimulate critical thinking.
2. encourage the use of scientific libraries and the self confidence support for suitable analysis of results.
3. implement and consolidate the acquired knowledge concerning the several scientific areas of renewable energy engineering as well as the corresponding curricula units.
4. integrate the knowledge, studies and specific competences acquired on the several scientific fields.
5. demonstrate ability to solve problems facing new challenges.
6. develop the ability of oral and written communication as well as both the critical and supported discussion of proposals and obtained results.
7. consolidate and develop both self-learning and work team capacities with a high degree of autonomy from the view point of lifelong learning.
8. know and understand the ethical, deontological and normative/legal issues related with professional practices.

Prerequisites

Before the course unit the learner is expected to be able to:
master the several scientific fields of renewable energy engineering.

Course contents

The course contents depends on the specificity of each work to be developed. Each proposed work should be comprehensive allowing the application and consolidation of knowledge acquired in the course and related scientific areas in an integrative perspective and eminently practical, being an opportunity to incorporate additional knowledge in areas related to the course.

Course contents (extended version)

- Not applicable.

Recommended reading

A bibliografia depende da especificidade do trabalho a realizar.

Teaching and learning methods

Methodologies based on the implementation of an academic project or a traineeship, which should be sufficiently inclusive and comprehensive. Technical sessions, type S and PL, will be carried out to present programmatic contents that will support students in tasks to be undertaken.

Assessment methods

- Alternative 1 - (Regular, Student Worker) (Final)
  - Projects - 100% (Final assessment of the project)

Language of instruction

Portuguese, with additional English support for foreign students.

Electronic validation

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This document is valid only if stamped in all pages.