

Course Unit	Thesis/Final Project/Internship		Field of study	Mechanical Engineering	
Master in	Mechanical Engineering		School	School of Technology and Management	
Academic Year	2023/2024	Year of study	2	Level	2-2
Type	Annual	Semester	-	ECTS credits	42.0
Code	5071-793-2001-00-23				
Workload (hours)	1 134	Contact hours	T -	TP 20	PL -
			TC -	S 40	E -
			OT 60	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) João Eduardo Pinto Castro Ribeiro, Luís Manuel Ribeiro Mesquita, Paulo Alexandre Gonçalves Piloto

Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:

1. Demonstrate knowledge in research methodologies.
2. Identify and be aware of the importance of innovation in engineering.
3. Demonstrate knowledge of the state of the art in a R&D or industrial application topic of Mechanical Engineering.
4. Perform a R&D project or a traineeship in academic or professional environment,
5. The publication of the results is done through the writing of a dissertation or a final project or internship.

Prerequisites

Before the course unit the learner is expected to be able to:
Understand the major phenomena and technologies of Mechanical Engineering.

Course contents

Seminars. Development of a dissertation/project/traineeship work.

Course contents (extended version)

1. Seminars
 - Attendance to seminars in different fields of Mechanical Engineering.
2. Dissertation/project/traineeship
 - Development of a scientific research dissertation.
 - Development of a project work or a professional traineeship.
 - Publications in the area of Mechanical Engineering.

Recommended reading

Cada proposta de trabalho deve apresentar uma lista de bibliografia específica recomendada. Each work proposal must have a specific recommended bibliography.

Teaching and learning methods

Tutorial guidance throughout the academic year that follows the work of dissertation/project/traineeship.

Assessment methods

- Alternative 1 - (Regular, Student Worker) (Final, Supplementary, Special)
 - Presentations - 25% (Quality of public presentation, defined by the regulatory rules of IPB Masters.)
 - Reports and Guides - 75% (Quality of Scientific / technical work, defined by the rules of IPB masters.)

Language of instruction

1. Portuguese
2. English

Electronic validation

João Eduardo Pinto Castro Ribeiro, Luís Manuel Ribeiro Mesquita, Paulo Alexandre Gonçalves Piloto	Debora Rodrigues de Sousa Macanjo Ferreira	João da Rocha e Silva	José Carlos Rufino Amaro
28-02-2024	29-02-2024	29-02-2024	02-03-2024