

RESEARCH PROJECT 2022-2023

Department/Area

Electrical Engineering

Title/Name

Setting and testing power system protections

Abstract/Description

Protections are the silent centinels of the power system. Protections detect faults in the power system components (generators, lines, transformers) and clear them by sending command actions to circuit breakers. Working in the proposed project, students will learn how to determine the settings of a state of the art protection device. Moreover, students will test the proper operation of the protection device in the laboratory.

Prerequisites

Required	Circuit theory and analysis
Recommended	AC circuit analysis

Supervisor(s)/Tutor(s)

Name(s)	Luis Rouco
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Structure

Format	Semester (extensive, 15 weeks), Summer (intensive, preferably 8 weeks), Both are available <i>Both</i>
Workload	100 hours (4 ECTS) / 200 hours (8 ECTS) <i>Both</i>
Students	1, 2, 3, 4, 5 <i>3</i>

