29643 - Smart Electrical Grids

Información del Plan Docente

Academic Year	2016/17
Academic center	110 - Escuela de Ingeniería y Arquitectura
Degree	430 - Bachelor's Degree in Electrical Engineering
ECTS	6.0
Course	4
Period	Second semester
Subject Type	Optional
Module	---

1.Basic info

1.1.Recommendations to take this course

1.2.Activities and key dates for the course

2.Initiation

2.1.Learning outcomes that define the subject

2.2.Introduction

3.Context and competences

3.1.Goals

3.2.Context and meaning of the subject in the degree

3.3.Competences

3.4.Importance of learning outcomes

4.Evaluation

5.Activities and resources

5.1.General methodological presentation

5.2.Learning activities

5.3.Program

1. Introduction to Smart Grids (SG): definition, objectives and benefits.
2. Technologies applied in SG: Distributed Generation (DG), Demand Side Management (DSM), Energy Storage and Vehicle to Grid (V2G) Operation of Smart Grids: System Protection, Control and Automation.

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5.4.Planning and scheduling

5.5.Bibliography and recomended resources

Bibliography can be found in http://psfunizar7.unizar.es/br13/eGrados.php?id=220