

COURSE DETAIL

ENERGY USE IN BUILDINGS

Country

Spain

Host Institution

Carlos III University of Madrid

Program(s)

Carlos III University of Madrid

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Engineering

UCEAP Course Number

126

UCEAP Course Suffix**UCEAP Official Title**

ENERGY USE IN BUILDINGS

UCEAP Transcript Title

ENERGY IN BUILDINGS

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course offers a study of the technological principles of HVAC, lighting, and renewable energy systems in buildings. Topics include: energy consumption in buildings; heating and cooling loads; refrigeration and heat generation; HVAC systems; lighting systems; photovoltaic systems; power factor compensation.

Language(s) of Instruction

English

Host Institution Course Number

16846

Host Institution Course Title

ENERGY USE IN BUILDINGS

Host Institution Campus

Leganés

Host Institution Faculty

Escuela Politécnica Superior

Host Institution Degree

Grado en Ingeniería de la Energía

Host Institution Department

Departamento de Ingeniería Eléctrica, Departamento de Ingeniería Térmica y Fluidos

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