Courses in English

Course Description

Department
05 Building Services Engineering, Paper and Packaging Technology and Print and Media Technology

Course title
Abastecimiento Energético II (= energy supply in building services engineering)

Hours per week (SWS)
2

Number of ECTS credits
4 (5 credits with additional presentation)

Course objective
Knowledge of basic energy problems, applications and consequences

Prerequisites
Basic knowledge in Thermodynamics and Mecanical Engineering

Recommended reading
Materials given by the lecturer

Teaching methods
Presentation, blackboard: written explications, comparisons in German and English

Assessment methods
interactive

Language of instruction
Spanisch (German and English correspondents)

Name of lecturer
Prof. Dr.-Ing. Hartmut Pietsch

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Link
none

Course content
Energy Supply:
1) Basics
2) Energy application: resources - exploration - consequences
3) Energy transformation machinery
4) Thermodynamic cicles - operation, performance and energy savings
5) Combined heat and power plants
6) Students presentation on energetical subjects

Remarks
This class is suitable as an elective course for all students