

## Courses in English Course Description

<b>Department</b>	05 Building Services Engineering, Paper and Packaging Technology and Print and Media Technology
<b>Course title</b>	<b>Abastecimiento Energético - Energy and Building Services</b>
<b>Hours per week (SWS)</b>	2
<b>Number of ECTS credits</b>	5
<b>Course objective</b>	Understanding and calculation of energy instalations.
<b>Prerequisites</b>	Basic knowleges in Physics and Thermodynamics.
<b>Recommended reading</b>	Materials given by the teacher.
<b>Teaching methods</b>	Blackboard, explications and calculation examples by PC-projectation to complete the materials.
<b>Assessment methods</b>	Written examination at the end of the course.
<b>Language of instruction</b>	Spanish
<b>Name of lecturer</b>	Prof. Dr. Ing. Hartmut Pietsch
<b>Email</b>	<a href="mailto:hartmut.pietsch@yahoo.de">hartmut.pietsch@yahoo.de</a>
<b>Link</b>	
<b>Course content</b>	Energy basics, boilers, heating, cooling, combustion, motors and turbines, combined heating, energy storage by heat and compressed air, gas supply - calculation and construction of pipelines, design and calculation regulation instalations.
<b>Remarks</b>	The course content is divided in the Abastecimiento Energético I-III and will be offered on demand, due to prerequisites of participating students.