



Universitat de Lleida

DEGREE CURRICULUM
BUILDING SERVICES 2

Academic year 2015-16

Subject's general information

Subject name	BUILDING SERVICES 2
Code	101419
Semester	First semester
Typology	Compulsory
ECTS credits	6
Theoretical credits	3
Practical credits	3
Office and hour of attention	To agree with the lecturer by e-mail
Department	Computer and Industrial Engineering
Modality	Presencial
Important information on data processing	Consult this link for more information.
Degree	Degree in Architectural Technology
Office and hour of attention	To agree with the lecturer by e-mail
E-mail addresses	jpique@diei.udl.cat csole@diei.udl.cat

José Piqué Palacín
Cristian Solé Cutrona

Learning objectives

- To implement correctly the technics for technical drawings of services in order to be able to build and construct accordingly as planned
- To apply the regulations to the installations, as well as the different existing processes to verify its operation before its commissioning
- To know about the current regulations of the installations in the way of its real implementation

Competences

University of Lleida strategic competences

- Master Information and Communication Technologies.

Degree-specific competences

- Ability to apply the technical rules to the building process and generate documents of technical specifications of the construction procedures and methods of the buildings.
- Aptitude for the predimensioning, design, calculation and checking of structures and for the direction of their material execution.
- Ability to constructively develop the installations of a building, control and plan their execution and verify the service and reception trials as well as those regarding maintainance.
- Aptitude to apply the specific rules about installations to the building process.

Degree-transversal competences

- Ability to plan and organise the personal work.
- Ability to work in situations where information is lacking or you are under pressure.

Subject contents

Chapter 1: Heating

Chapter 2: Air conditioning

Chapter 3: Fire protection

Chapter 4: Gas

Methodology

The methodology of the subject is developed with:

- Master clases
- Problem clases
- Work deliveries
- Oral presentations in class

Evaluation

Evaluation	%	Considerations
Theory Test 1 - PT1	15%	To consider PT1 to calculate the average mark, it is necessary to get at least 4 (out of 10)
Exercices Test - EX1	20%	To consider EX1 to calculate the average mark, it is necessary to get at least 4 (out of 10)
Theory Test 2 - PT2	15%	To consider PT2 to calculate the average mark, it is necessary to get at least 4 (out of 10)
Exercices Test - EX2	20%	To consider EX2 to calculate the average mark, it is necessary to get at least 4 (out of 10)
Group Work - T	30%	Each block (4 blocks) weights 5%. The presentation weights 5% and the answers to questions from students weithgs 5% too

Bibliography

Recommended bibliography

- Arizmendi Barnes, Luis Jesús (2003): "Cálculo y Normativa Básica de las Instalaciones en los edificios". Tomo I y II. Editorial EUNSA.
- Huidobro, José M. Manual de Telecomunicaciones. Ed. Ra-Ma
- Lagunas Marqués, Ángel – Instalaciones eléctricas de baja tensión en edificios de viviendas- Ed.Paraninfo – Madrid – 2003
- Martín, F.INSTALACIONES ELÉCTRICAS. Fundación Escuela de la Edificación.
- Vázquez Moreno, Javier. Herranz Aguilar, Juan Carlos. "Manual práctico de instalaciones en edificación. Tomo I. Instalaciones hidráulicas". Editorial LITEAM. 1ª edición. Año 2001. ISBN: 84-95596-05-9R
- Vázquez Moreno, Javier. Herranz Aguilar, Juan Carlos. "Manual práctico de instalaciones en edificación. Tomo II. Instalaciones energéticas". Editorial LITEAM. 1ª edición. Año 2001. ISBN: 84-95596-06-7R
- Vázquez Moreno, Javier. Herranz Aguilar, Juan Carlos. "Manual práctico de instalaciones en edificación. Tomo III. Instalaciones eléctricas." Editorial LITEAM. 1ª edición. Año 2001. ISBN: 84-95596-04-0