



Universitat de Lleida

# DEGREE CURRICULUM **HEALTH AND SAFETY**

Academic year 2015-16

## Subject's general information

<b>Subject name</b>	Health and Safety
<b>Code</b>	101423
<b>Semester</b>	2n Q Avaluació Continuada
<b>Typology</b>	Obligatòria
<b>ECTS credits</b>	9
<b>Theoretical credits</b>	0
<b>Practical credits</b>	0
<b>Office and hour of attention</b>	Carmen Iglesias: A concertar Lluís Puigdomenech Montse Pàmies Barberà
<b>Department</b>	Enginyeria Agroforestal
<b>Modality</b>	Presencial
<b>Important information on data processing</b>	Consult <a href="#">this link</a> for more information.
<b>Language</b>	Catalan 50% spanish 50%
<b>Degree</b>	Degree in Architectural Technology
<b>Office and hour of attention</b>	Carmen Iglesias: A concertar Lluís Puigdomenech Montse Pàmies Barberà
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Carmen Iglesias  
 Lluís Puigdomenech  
 Montse Pàmies Barberà

## Subject's extra information

Without Translate - Aquesta assignatura requereix un hàbit d'estudi progressiu i continuat. La documentació necessària, la agenda de treball (amb dates de presentació de treballs i realització d'exercicis) pot trobar-se al campus virtual. Es recomanable consultar-ho un cop a la setmana per tal de tenir preparats els materials i les activitats de les sessions presencials. Tan mateix es recomanable fer-ho el dia abans de classe per tal de comprovar si hi ha cap anunci. El compliment de les dates d'entrega de treballs i exercicis planificats es inexcusable, a excepció de causes extraordinàries degudament justificades.

## Learning objectives

See competences

## Competences

### University of Lleida strategic competences

- Information and Communication Technologies.

### Degree-specific competences

- Aptitude to redact studies, basic studies and plans of work security and health, in the project and execution phase of the project.
- Knowledge of construction law and of the contractual relationships which are produced in the different phases of the building process, as well as the legislation, reglamentation and specific rules of prevention and coordination in the subject of work security and health on the building site.

### Degree-transversal competences

- Ability to reunite and interpret relevant data, inside an area of study, to express reasons which include reflecting upon relevant subjects of a social, scientific or ethical nature.
- Ability to plan and organise the personal work.
- Ability to consider the socio-economical context as well as the criteria of sustainability in the solutions of engineering.
- Ability to work in situations where information is lacking or you are under pressure.

### Specific competences of the subject

- Run out basic level functions on the Prevention of Occupational Hazards.
- Coordinate security and promote occupational health both during the project and execution of building work.

## Subject contents

- Health and work. Occupational hazards. Accident and labour illness. Prevention.
- Regulatory Framework. Regulations on Risk Prevention. Prevention Services.
- Security. Technical Security. Risk Assessment. Accidents.
- Accident investigation. Selection of primary causes.
- Industrial hazards. Evaluation and control of different types of risks. Chemical agents: toxicology. Physic agents: noise, vibrations, thermal environment, ionizing and ionizing radiations. Biological agents: effects, evaluation and control.
- Ergonomics. Environmental ergonomics. Workplace. Physical load of work.
- Ergonomic Methodology: assess, predict, and investigate. Ergonomic tools to assets. Methodology.
- Psychosociologic. Factors: time, task organization structure.
- Communication and Leadership. Indicators of psychosocial problems. Evaluation methods.
- DB- CTE-SI. Safety in case of fire.
- CTE DB--SUA. Safety of use and accessibility.
- Accident investigation. Objectives. Data collection. Stages. The interview and the tree of causes.
- Security Coordination. Profile professional coordinator, knowledge and skills
- Identification of the tasks, functions and responsibilities of managers in the construction process.
- Coordination on health and safety. Security techniques and management. Document control. Procedures regarding the Labour Inspectorate in building trade. Coordination of preventive measures in case of coincidence of works.
- Safety and Health study. Health and Safety Plan. Contents: Scope, role designations, memory, specifications, planes.
- Building trade. Auxiliary machinery. Individual and collective protection equipment.

## Evaluation

### Individual

Written tests including from a rating over 3.0 (25% + 25%). Hopefully, in the second test it is necessary to apply knowledge of the first. Partial scores are not saved from one year to another. Official calendar dates according to the EPS.

### Collaborative

Coursework. Delivery on May 21. Oral presentation by lot from among the group on 28 May:

ESS 25% Delivery on April 9

PSS 10%

Compulsory attendance to practical classroom lessons, outings and talks. Deliveries without notice ask.

≥ 80% -> 10%

80% - 50% -> 5%

≤ 50% - 0%

Fotosafari: Identification and assessment of risks in the work: 5%

*The rating reflects the degree of fulfillment of the objectives set in the subject. Delays in deliveries and the lack of assistance to final discussion session will be penalized. In case of failure to attend a practice session the student can find an alternative compensatory replacement.*

*Plagiarism is a violation and is qualified with 0.*

## Bibliography

### Recommended

## Basics

- Estrategia española en materia de salud y seguridad en el trabajo 2007-2012. Plan de acción para el impulso y ejecución de la estrategia española de seguridad y salud en el trabajo 2007-2012.
- Evaluación de riesgos laborales, España, 2006, Instituto Nacional de Seguridad e Higiene en el Trabajo MTAS.
- European Agency for Safety and Health at Work. Publications
- [Observatori europeu de riscos](#)
- Manual per a la identificació i avaluació de riscos laborals. Generalitat de Catalunya. Departament de Treball i Indústria

## Applied to construction

- Coordinadores de seguridad y salud en el sector de la construcción. Minerva Espeso Expósito, José Avelino Espeso Santiago, Beatriz Fernández Muñiz, Florentino Fernández Zapico, Alberto ParamioParamio. Ed. Lex Nova.
- La prevenció de riscos laborals en el sector de la construcció. Generalitat de Catalunya. Departament de Treball
- Las redes de seguridad en la construcción. José Sáiz Núñez i altres. Universidad de Alicante
- Manual de composición de medidas preventivas para construir. Pedro Antonio Begueria Latorre. Col.legi d'Aparelladors i Arquitectes Tècnics de Girona
- Manual práctico de seguridad en la construcción. Colegio de Aparejadores y Arquitectos Técnicos de Madrid
- Prevención de Riesgos Laborales en la construcción. Ma. Montaña Benavides Agúndez. Editorial Lex Nova
- Prevención de riesgos en las obras de construcción. Juan Ignacio Moltó. AENOR
- Seguridad práctica en obras de construcción . Ramón Pérez Merlos. Ed: Etosa obras y servicios SA