

IDENTIFYING DATA				
Quality control and prevention of occupational hazards in the forestry industry				
Subject	Quality control and prevention of occupational hazards in the forestry industry			
Code	P03G370V01804			
Study programme	(*)Grao en Enxeñaría Forestal			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Optional	4th	2nd
Teaching language	Spanish Galician			
Department				
Coordinator				
Lecturers				
E-mail				
Web	http://www.forestales.uvigo.es			
General description	Introduction to the systems of guarantee of the quality and of management of labour risks. Methods of continuous improvement			

Skills	
Code	
C39	Ability to know, understand and use the principles of quality control in the forest industry.
C40	Ability to know, understand and use the principles of industrial safety and hygiene.
D5	Capacity for information management, analysis and synthesis
D8	Ability to solve problems, critical reasoning and decision making

Learning outcomes	
Expected results from this subject	Training and Learning Results

2R. 2018 Knowledge and understanding of the disciplines of engineering of the his speciality, to the necessary level to purchase the rest of the competitions of the qualifications, including notions of the last advances.	C39 C40	D5 D8
3R. 2018 Be conscious of the multidisciplinary context of the engineering.		
4R. 2018 Capacity to #analyze products, processes and complex systems in the his field of study; choose and apply analytical methods, of calculation and experimental *relevantes of form *relevante and interpret correctly the results of these analyses.		
7R. 2018 Capacity of the project using any knowledges advanced of the his speciality in engineering.		
8R. 2018 Capacity to realize bibliographic researches, consult and use databases and other sources of information with discretion, to realize @simulación and analysis with the objective to realize investigations on technical subjects of the his speciality.		
9R. 2018 Capacity to consult and apply codes of good practices and security of the his speciality.		
13R. 2018 Knowledge of the application of materials, teams and tools, technological processes and of engineering and his limitations within the scope of the his speciality.		
14R. 2018 Capacity to apply norms of engineering in the his speciality.		
15R. 2018 Knowledge of the social implications, of health and security, environmental, economic and @industrial of the practice in engineering.		
16R. 2018 general Ideas on economic questions, organisational and of management (how management of projects, management of risks and change) in the industrial and entrepreneurial context.		
17R. 2018 Capacity to collect and interpret data and handle complex concepts inside the his speciality, to issue judgements that involve a reflection on ethical and social questions		
18R. 2018 Capacity to manage activities or technical projects or complex professionals of the his speciality, assuming the responsibility of the takes of decisions.		

Contents	
Topic	
1.- Forest industry and quality	1.1. General concepts
2.- General concepts of the quality	2.1 Definition of quality 2.2. Definition of Systems of quality 2.3.-Evolution of the systems of quality 2.4. Profits of the quality 2.5. Organisational model of the quality 2.6. Commitment of the direction 2.7. Human team
3.- Norms ISO 9001: 2008 and ISO 9004: 2009	3.1 Aims 3.2. Scope 3.3. Approach 3.4. Points of norm
4.- As implant a system of quality	4.1. Phases of the implantation of a system of management 4. 2. Process of the certification 4.3. Orientation to the management by processes 4.4. Management of the improvement of a process
5.- Audits of Quality	5.1. Definition of audit 5.2. Types of audit 5.3. Process of audit 5.4.Team of audit 5.5. Preparation of the audit 5.6. Development of the audit. 5.7. Report of audit
6.- The marked CE of wooden products for employment in the construction	6.1. Realisation of the marked CE of products. Phases of the process
7.- Foundation of the technicians of improvement of the conditions of work.	7.1.- Technical of prevention of labour risks. 7.2.- Norma and signaling in security. 7.3.- Collective and individual protection 7.4.- Plans of emergency and autoprotection. 7.5.- Toxic and dangerous waste 7.6.- Installations against foresty fire.
8.- Security in the work	8.1.- Accidents of Work 8.2.- Analysis and general evaluation of the risk of accident.
9.- Industrial hygiene.	9.1.- Concepts and aims. 9.2.- Normative legal specific. 9.3.- Physical agents; noise, vibrations 9.4.- Biological agents 9.5.- Medicine of the work: Pathologies of labour origin. 9.6.- first aid And first helps. 9.7.-.- Ergonomics and psicosycology

Planning

	Class hours	Hours outside the classroom	Total hours
Case studies	11	10	21
Studies excursion	4	2	6
Lecturing	35	66	101
Problem and/or exercise solving	2	20	22

*The information in the planning table is for guidance only and does not take into account the heterogeneity of the students.

Methodologies

	Description
Case studies	Seminars of approach and resolution of practical cases with oral presentation
Studies excursion	Knowledge of the implantation of systems of quality in companies of transformation of the wood
Lecturing	Explanation Of theoric concepts and exemplifications

Personalized assistance

Methodologies	Description
Lecturing	
Case studies	

Assessment

	Description	Qualification	Training and Learning Results
Case studies	*Participacion Active in the *resolucion of the supposed *practicos that pose	10	C39 C40
Studies excursion	Presentation of the memory of the visits realised	10	C39 C40
Lecturing	*Paricipacion Active in the debates that pose	10	C39 C40
Problem and/or exercise solving	*Valoracion Of the knowledge of the matter in *funcion to the questions realised	70	C39 C40

Other comments on the Evaluation

Calendar of examinations:

First Announcement: 20 May 2020, 16.00 Hours
Second Announcement: 10 July 2020 16.00 Hours

The official dates and the possible modifications are exposed in the official board of the *EE Forest and in the web

Sources of information

Basic Bibliography

Complementary Bibliography

Recommendations

Subjects that continue the syllabus

Environmental Engineering/P03G370V01609

Subjects that are recommended to be taken simultaneously

Primary wood processing industries/P03G370V01706

Other comments

Eligible subject for dual training projects as established by the memory of the degree.

Contingency plan

Description

=== EXCEPTIONAL PLANNING ===

Given the uncertain and unpredictable evolution of the health alert caused by COVID-19, the University of Vigo establishes an extraordinary planning that will be activated when the administrations and the institution itself determine it, considering safety, health and responsibility criteria both in distance and blended learning. These already planned measures guarantee, at the required time, the development of teaching in a more agile and effective way, as it is known in advance (or well in advance) by the students and teachers through the standardized tool.

=== ADAPTATION OF THE METHODOLOGIES ===
* Teaching methodologies maintained

* Teaching methodologies modified

* Non-attendance mechanisms for student attention (tutoring)

* Modifications (if applicable) of the contents

* Additional bibliography to facilitate self-learning

* Other modifications

=== ADAPTATION OF THE TESTS ===
* Tests already carried out
Test XX: [Previous Weight 00%] [Proposed Weight 00%]
...

* Pending tests that are maintained
Test XX: [Previous Weight 00%] [Proposed Weight 00%]
...

* Tests that are modified
[Previous test] => [New test]

* New tests

* Additional Information