



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	Grado en Ingeniería Forestal			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Optional	4th	2nd
Teaching language	Spanish Galician			
Department				
Coordinator	González Prieto, Óscar			
Lecturers	González Prieto, Óscar			
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General description	Introduction to the systems of quality control and management of jobs risks. Methods of continuous improvement.			

Training and Learning Results

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

Expected results from this subject

Expected results from this subject	Training and Learning Results
Ability to know, understand and use the principles of quality control in the forest industry.	C39
Ability to know, understand and use the principles of industrial safety and hygiene.	C40
Capacity for information management, analysis and synthesis	D5
Ability to solve problems, critical reasoning and decision making	D8

Contents

Topic	
1.- Forest industry and quality	1.1. General concepts
2.- General quality concepts	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 forestry 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 psicoscology

Planning

	Class hours	Hours outside the classroom	Total hours
Case studies	10	10	20
Studies excursion	4	2	6
Lecturing	30	66	96
Laboratory practical	4	0	4
Collaborative Learning	1	0	1
Problem and/or exercise solving	1	20	21
Objective questions exam	1	0	1
Essay questions exam	1	0	1

*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 theoretic concepts and exemplifications
Laboratory practical	Use of basic tools for quality control.
Collaborative Learning	The tutorials will be carried out both in person or by telematic means (email, remote campus, doubt forums, Moovi). For those students who request it, they can be carried out, to the extent possible, outside the indicated hours. Both the hours and the place of the tutorials will be indicated at the beginning of the course through the officially established channels.

Personalized assistance

Methodologies	Description
Collaborative Learning	The tutorials will be carried out both in person or by telematic means (email, remote campus, doubt forums, Moovi). For those students who request it, they can be carried out, to the extent possible, outside the indicated hours. Both the hours and the place of the tutorials will be indicated at the beginning of the course through the officially established channels.

Assessment

	Description	Qualification	Training and Learning Results
Studies excursion	Real visits to industrial installations	5	C39 C40
Lecturing	Active participation in the class room	10	C39 C40
Laboratory practical	Assistance and active participation to practical sessions of handle of basic tools of control of quality	10	C39 D5 C40 D8

Problem and/or exercise solving	Preparation by heart of practices with basic tools of control of quality	15	C39 C40	
Objective questions exam	Test of knowledge of the matter	30	C39 C40	D5 D8
Essay questions exam	Test of the knowledge of the matter	30	C39 C40	D5 D8

Other comments on the Evaluation

Exam calendar: according to official information from the School of Forest Engineering (check the official website for updated information)

Evaluation in continuous evaluation modality; Master class: 10%, Laboratory Practices: 10%, Theoretical content exam: 30%, Objective theoretical content exam: 30%, Practical memory delivery: 15%, Exit and memory delivery: 5%.

Evaluation in global evaluation modality; Theoretical content exam: 35%, Theoretical/practical content exam: 35%; Alternate memory: 30%.

Sources of information

Basic Bibliography

Dale H. Besterfield, **Control de calidad**, 978-607-442-121-7, Pearson Educación, 2009

Complementary Bibliography

Cuatrecasas Arbós, Lluís, **Gestión integral de la calidad : implantación, control y certificación**, 84-8088-282-4, Gestión 2000, 1999

Armero Fernández, Lucía, **Manual de prevención de riesgos laborales**, 978-84-18330-02-5, 2020

Igartua Miró, María Teresa, **Sistema de prevención de riesgos laborales**, 978-84-309-7967-7, Tecnos, 2020, 2020

Cassini Gómez de Cádiz, Javier, **Guía práctica en prevención de riesgos laborales : una aproximación desde la experiencia**, 978-84-1390-560-0, Editorial Aranzadi, S.A.U., 2021

Baquero Serrano, Carmen, **Manual básico de prevención de riesgos laborales**, 978-84-4543-925-8, Centro de Estudios Financieros, 2019, 2019

Recommendations

Subjects that continue the syllabus

Environmental Engineering/P03G370V01609

Subjects that are recommended to be taken simultaneously

Primary wood processing industries/P03G370V01706

Other comments

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