Universida_{de}Vigo

Subject Guide 2020 / 2021

			Si	ubject Guide 2020 / 2021
IDENTIFYIN	-			
Use of fore				
Subject	Use of forests			
Code	P03G370V01601 (*)Grao en			
Study	(*)Grao en Enxeñaría Forestal			
programme	ECTS Credits	Chaosa	Voor	Quadmastar
Descriptors	6	Choose Mandatory	Year 3rd	Quadmester 2nd
Taaching	•	Manualory	510	2110
Teaching	Spanish			
language Department				
Coordinator	Fernández Alonso, José María			
Lecturers	Fernández Alonso, José María			
Lecturers	Ortiz Torres, Luis			
E-mail	josemfernandez@uvigo.es			
Web	http://http://dasometriaweb.blogspot.com.es/			
General	(*)Se analizarán los fundamentos básicos de los apro	vechamientos fore	estales maderer	os nara anrender su
description	planificación básica. Asimismo se estudiarán los prin			
	En la enseñanza de la materia, tres aspectos son fun en la enseñanza de la ciencia forestal: intuición, rigo problemas que se quiere atacar (a través de ejemplo historia del problema) y en definitiva genera un inter despoja de lo accesorio hasta desentrañar lo esencia la transmisión de conocimientos técnicos. La creació antes tenga un contacto forestal y más aprenda de e asignatura.	r y creación. La int is), crea una persp rés. El segundo niv il. El rigor necesita n permite construi	uición ubica al a ectiva (a menuc el formaliza tod de la abstracció r soluciones pro	alumno en el tipo de lo a través de la propia as esas intuiciones y las ón y es fundamental en pias, prácticas, cuanto
Competenc	ies			
Code				
develop	to understand the biological, chemical, physical, mathement of professional activity, as well as to identify the ment and renewable natural resources susceptible to	e different biotic a	nd physical elem	nents of the forest
B6 Ability t manage and nor	to measure, inventory and evaluate forest resources, a ement of all types of forest systems, parks and recreat n-timber forest products	tional areas, as we	ll as techniques	for harvesting timber
industry		xploitation and sup	oply of raw mate	erials in the forest
	ability and environmental commitment			
	y for information management, analysis and synthesis	5		
	ation and planning capacity			
	o solve problems, critical reasoning and decision mak	ing		
D10 Autono	mous Learning			

D10 Autonomous Learning

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	B1	C23
the necessary level to purchase the rest of the competitions of the qualifications, including notions	B6	
of the last advances.		

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.

5R. 2018 Capacity to identify, formulate and resolve problems of engineering in the his speciality; choose and apply analytical methods, of calculation and experiments properly established; Recognize the importance of the social restrictions, of health and security, environmental, economic and industrial.

6R. 2018 Capacity to project, design and develop complex products (pieces, component, products finished, etc.), processes and systems of the his speciality, that fulfil the requirements established, including the knowledge of the social aspects, of health and environmental security, economic and industrial; as well as select and apply methods of appropriate project.

7R. 2018 Capacity of the project using any knowledges advanced of the his speciality in engineering.

9R. 2018 Capacity to consult and apply codes of good practices and security of the his speciality. 11R. 2018 Understanding of the techniques and methods of analysis, project and applicable investigation and his limitations within the scope of the his speciality.

12R. 2018 practical Competition to resolve complex problems, realize complex projects of engineering and realize specific investigations stop 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.

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 20R. 2018 Capacity to work effectively in national and international contexts, individually and in team, and cooperate with the engineers and people of other disciplines.

Contents

Торіс	
General information on forestry and its market i	n Definition and types of use
the world	The Forest Products Market
	The demanada and the companies
	The supply of forest products in the world
Marketing of wood	Main procedures for the sale and sale of wood
-	Auction and drafting
Techniques, means and procedures of logging	Wood felling and processing
	Manual tools
	The chainsaw and other portable machines
	Automotive Fodder and Processing Machinery
	Waste treatment machinery (chippers and balers)
	Pull out of the wood (skider and autoloader)
	Adapted agricultural tractor
	Unblocking cables, helicopter and other methods
	Transport of wood (river, rail, sea and land)
	Parks for wood storage
Timber harvesting planning	Factors influencing planning
	Main systems of exploitation
	Organization of the uses
	Control systems in the harvests
Prevention of occupational hazards in forestry	The risk assessment
	Loss in the forestry sector
The environmental impact of harvesting	Main impacts of forestry activity
	Methodological guide
The use of bark	Cork Ecology
	The cork market
The use of resins	The use of resins
	The resin market

Class hours	Hours outside the	Total hours
26	63	89
3	11	14
		classroom

Case studies	6	12	18	
Studies excursion	10	18	28	
Problem and/or exercise solving	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
Lecturing	Presentation by the teacher of the contents on the subject under study, theoretical and / or guidelines for a job, exercise or project to be developed by the student.
Problem solving	Activity which formulated problem and / or exercises related to the course. The student should develop appropriate solutions or right through the exercise routines, application of formulas or algorithms, application processing procedures available information and interpretation of the results. It is often used to complement the lecture.
Case studies	Analysis of an event, issue or actual event in order to know, interpret, solve, generate hypotheses, comparing data, reflect, complete knowledge, diagnose and training in alternative dispute resolution procedures.
Studies excursion	Activities application of knowledge to specific situations and basic skills acquisition and related procedural matter under study. They thrive in nonacademic outdoor spaces. Among them we can cite practical field visits to events, research centers, companies, institutions academic-professional interest to the student.

Personalized as	Personalized assistance			
Methodologies	Description			
Problem solving	It is a question of performing a practical work corresponding to a gap in the topics included in the agenda and publicly presenting said work.			
Studies excursion	Studies excursion It is a series of practical visits to facilities and mountains			

Assessment			
	Description	Qualification	Training and Learning Results
Lecturing	(*)Asistencia e desempeño dedicado ás clases da materia. Se *evaluan as competencias básicas *CB1 e *CB2, as xerais *CG8, *CG18, *CG23, *CG38, *CG39, *CG40 e *CG41, a específicas CE23 (CE 23.1 a 23.10) e as transversais *CB11, *CB12, *CB14, *CB15, *CB16, *CB17, *CBP4, *CBS1, *CBS7.	10	
Case studies	(*)Resolución dun suposto práctico de planificación que o alumno deberá realizar e entregar Se *evaluan as competencias básicas *CB1 e *CB2, as xerais *CG8, *CG18, *CG23, *CG38, *CG39, *CG40 e *CG41, a específicas CE23 (CE 23.1 a 23.10) e as transversais *CB11, *CB12, *CB14, *CB15, *CB16, *CB17, *CBP4, *CBS1, *CBS7.	20	D5 D6
Studies excursion	(*)Asistencia ás saídas e práctica de campo organizadas.	10	
Problem and/or (*)Resposta a preguntas relacionadas co temario exercise solving Se *evaluan as competencias básicas *CB1 e *CB2, as xerais *CG8, *CG18, *CG23, *CG38, *CG39, *CG40 e *CG41, a específicas CE23 (CE 23.1 a 23.10) e as transversais *CB11, *CB12, *CB14, *CB15, *CB16, *CB17, *CBP4, *CBS1, *CBS7.		60	D6

Other comments on the Evaluation

Sources of information **Basic Bibliography Complementary Bibliography** TOLOSANA, E. et al, El aprovechamiento maderero, Ediciones Mundi-Prensa, DALLA-PRIA, E et al, Manuel d'exploitation forestière. Tome I.et II, CTBA y ARMEF, MONTOYA, J. M., Los alcornocales, M.A.P.A. Madrid, ZAMORANO, J. L, Resinar de forma rentable, I.N.I.A. Madrid, ACEMM, Manual de prevención de riesgos laborales en el sector forestal, Fundación para la prevención de riesgos laborales. Gobierno de Cantabria, AAEF, Manual de prevención de riesgos laborales en el sector forestal, Junta de Andalucía,

Recommendations Subjects that continue the syllabus

Subjects that are recommended to be taken simultaneously

Dasometry/P03G370V01602

Subjects that it is recommended to have taken before

Forestry/P03G370V01401

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 on line

Use of institutional on-line teaching platform Campus Remoto in a synchronous way for the theoretical classes including basics, foundations, as well as general guidelines for resolution of problems and practical cases. Specific didactic materials adapted for on line teaching will be prepared e.g. Video or presentations, graphic resources, software, etc. All the resources will be available through FAITIC platform.

* Mechanism face-to-face of attention to the students (tutorials)

Personalized attention. Communication by email or another on-line tool. Tutorials via Campus Remoto platform.

=== ADAPTATION OF The EVALUATION ===

On-line tests and tasks via Campus Remoto and Faitic. The weight of the tests will be maintained as they are described in the main guide.