



IDENTIFYING DATA

Primary wood processing industries

Subject	Primary wood processing industries			
Code	P03G370V01706			
Study programme	(*)Grao en Enxeñaría Forestal			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Optional	4th	1st
Teaching language	Spanish Galician			
Department				
Coordinator	Bartolome Mier, Javier			
Lecturers	Bartolome Mier, Javier González Prieto, Óscar			
E-mail	jbartolome@uvigo.es			
Web	http://www.forestales.uvigo.es			
General description	*Asignatura In which they study the technologies of manufacture of the basic products of forest origin: wood sawed and boards			

Competencies

Code	
B11	Ability to characterize the anatomical and technological properties of wood and non-timber forest raw materials, as well as the technologies and industries of these raw materials.
B12	Capacity for organization and planning of companies and other institutions, with knowledge of the legislative provisions that affect them and the fundamentals of marketing and marketing of forest products.
C29	Ability to know, understand and use the basic principles of the processes of first transformation of wood and the principles of: non-wood forest raw materials; industrial processes of non-wood products: cork, resin, essential oils.
D4	Sustainability and environmental commitment
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. B11 C29 D4 D8
- 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.
- 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.
- 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.
- 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.
- 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	
Introduction to the subject.	Presentation of the sector of first transformation of the wood in Galicia, Spain and Europe
Technology of the sawed of the wood	Wooden section in roll Section of court of the trunk Section of manipulation of the wood sawed Machinery of sawed Systems of sawed of the wood Lines of processed
The cut of the wood	Characteristics of the tool Preparation and conservation of tools of court Parameters of court Definition of the tool of court
Manufacture of wooden sheet to the flat	Definition and use of the wooden sheet to the flat Process of manufacture of the wooden sheet to the flat
Manufacture of boards plywoods	Definition, properties and types of board plywood Process of manufacture of the board plywood
Manufacture of boards of particles and wooden fibres	Boards of particles. Properties, uses and process of manufacture Boards of hard fibre. Properties, uses and process of manufacture Boards of fibre of half density. Properties, uses and process of manufacture
Properties and employment of the main wooden species of industrial use	Physical characteristics, mechanical and applications of the main wooden species of conifers, leafy and tropical

Planning

	Class hours	Hours outside the classroom	Total hours
Lecturing	34	87	121
Studies excursion	4	2	6
Laboratory practical	6	0	6
Introductory activities	1	0	1
Problem and/or exercise solving	1	0	1
Report of practices, practicum and external practices	0	2	2

Laboratory practice 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	Exhibition of aims and contents and importance of the same inside the group of the competitions of the subject
Studies excursion	Explanation "in situ" of industrial processes in factories of first transformation of the wood
Laboratory practical	Macroscopic recognition of commercial wooden species in Spain
Introductory activities	Exhibition of the aims and development of the subject

Personalized assistance

Assessment			
	Description	Qualification	Training and Learning Results
Lecturing	Continuous evaluation through the assistance to the classes of classroom	7	C29
Studies excursion	Presentation of a memory of the visits realised	10	C29
Laboratory practical	(*)Reconocimiento macroscópico de las maderas comerciales en España	20	C29
Introductory activities	(*)	0	
Problem and/or exercise solving	Evaluation of the theoretical knowledges through proofs of short answer	60	C29
Report of practices, practicum and external practices	*Elaboración Of guide of the commercial wooden species in Spain	3	C29
Laboratory practice		0	

Other comments on the Evaluation

Calendar of examinations:

First Announcement: 22 of jan of 2020, 16.00 Second

Hours Announcement: 22 of juneof 2020 16.00 Hours

The official dates and the possible modifications are exposed in the official board of the Forest EE and in the web
[#http://forestales.uvigo.es/*gl/](http://forestales.uvigo.es/*gl/)

Sources of information

Basic Bibliography

Complementary Bibliography

Recommendations

Subjects that continue the syllabus

Quality control and prevention of occupational hazards in the forestry industry/P03G370V01804

Subjects that are recommended to be taken simultaneously

Industrial organisation and processes in the wood industry/P03G370V01707

Wood preservation and drying technology/P03G370V01705

Subjects that it is recommended to have taken before

Wood technology/P03G370V01606

Other comments

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

Contingency plan

Description

=== EXCEPTIONAL MEASURES SCHEDULED ===

In front of the uncertain and unpredictable evolution of the sanitary alert caused by the *COVID-19, the University of Vigo establishes an extraordinary planning that will activate in the moment in that the administrations and the own institution determine it attending to criteria of security, health and responsibility, and guaranteeing the teaching in a no face-to-face stage or partially face-to-face. These already scheduled measures guarantee, in the moment that was prescriptive, the development of the teaching of a more agile and effective way when being known in advance (or with a wide *antelación) by the students and the *profesorado through the tool normalised and institutionalised of the educational guides.

=== ADAPTATION OF THE METHODOLOGIES ===

* educational Methodologies that *mantienenno modify . They will substitute the face-to-face classes by the *teledocencia on-line. In the case of the practices will handle audiovisual material.

* Educational methodologies that modify : it will happen to the *teledocencia on-line

* Mechanism no face-to-face of attention to the students (*tutorías): Through email and virtual dispatches enabled for the *profesorado

* Modifications (if they proceed) of the contents to give: no *modificarán

* additional Bibliography to facilitate the car-learning: it does not apply

* Other modifications

=== ADAPTATION OF THE EVALUATION ===

* Test already made

Proof XX: [previous Weight 00%] [Weight Proposed 00%]

...

* Pending proofs that keep

Proof XX: [previous Weight 00%] [Weight Proposed 00%]

...

* Proofs that modify

In the case of teaching no face-to-face or *semi-face-to-face, only will value the assistance of face-to-face class that have been able to give, if there was not face-to-face teaching the punctuation of this *epigrafe will deliver between the theoretical and practical part. The presentation of a memory of the visit to factory will substitute by the presentation of a memory summary of audiovisual material *empregado.

* New test

* additional Information
