



## IDENTIFYING DATA

### Chemical industries of the wood, cellulose, pulp and paper

Subject	Chemical industries of the wood, cellulose, pulp and paper			
Code	P03G370V01805			
Study programme	(*)Grao en Enxeñaría Forestal			
Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Optional	4th	2nd
Teaching language	Spanish Galician			
Department	Natural Resources and Environment Engineering			
Coordinator	Lorenzo Fouz, David			
Lecturers	Bartolome Mier, Javier Lorenzo Fouz, David			
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Web				
General description				

## Competencies

Code	
B1	Ability to understand the biological, chemical, physical, mathematical and representation systems necessary for the development of professional activity, as well as to identify the different biotic and physical elements of the forest environment and renewable natural resources susceptible to protection, conservation and exploitations in the forest area.
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.
C37	Knowledge of the basic principles of the chemical transformation of wood and its industrial processes, in particular cellulose and paper.
D2	Ability to communicate orally and written in Spanish or in English
D5	Capacity for information management, analysis and synthesis
D10	Autonomous Learning

## Learning outcomes

Expected results from this subject	Training and Learning Results		
New	B1 B11	C37	D2 D5 D10

## Contents

Topic
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## Planning

	Class hours	Hours outside the classroom	Total hours
Laboratory practices	22.79	20.21	43
Studies excursion	4	10	14
Case studies	1	5	6
Problem solving	1	5	6
Lecturing	25.6	54.4	80

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

Methodologies	
	Description
Laboratory practices	(*)se realizaran practicas y se presentara memoria de las mismas
Studies excursion	(*)se realizaran visita a empresa
Case studies	(*)se hara estudio de casos
Problem solving	(*)se resolveran problemas fuera del aula
Lecturing	(*)se impartira docencia magistral con ejercicios tipo

Personalized attention	
Methodologies	Description
Lecturing	
Laboratory practices	
Studies excursion	
Case studies	

Assessment		
	DescriptionQualification	Training and Learning Results
Laboratory practices	10	
Studies excursion	10	
Problem solving	10	
Lecturing	70	

#### Other comments on the Evaluation

Sources of information	
Basic Bibliography	
Complementary Bibliography	

#### Recommendations