Universidade de Vigo

IDENTIFYING DATA

Environmental Impact

Subject	Environmental Impact
Code	P03G370V01504
Study programme	(*)Grao en Enxeñaría Forestal

Descriptors	ECTS Credits	Choose	Year	Quadmester
	6	Mandatory	3rd	1st

Teaching language	Spanish Galician
Department	Natural Resources and Environment Engineering
Coordinator	Álvarez Bermúdez, Xana
Lecturers	Álvarez Bermúdez, Xana
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General description	(*)(*)En esta materia se trata de compatibilizar la actividad humana con el medio ambiente de tal manera que se puedan prever y prevenir los impactos que sobre los diversos factores del medio provocan determinadas actuaciones y/o actividades, tratando de minimizarlos o reducirlos.

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.
B2	Ability to analyze the ecological structure and function of forest systems and resources, including landscapes.
B3	Knowledge of degradation processes that affect forest systems and resources (pollution, pests and diseases, fires, etc.) and capacity for the use of forest environment protection techniques, forest hydrological restoration and biodiversity conservation .
B4	Ability to evaluate and correct the environmental impact, as well as apply the techniques of auditing and environmental management.
C19	Ability to know, understand and use the principles of: evaluation and correction of environmental impact; recovery of degraded spaces.
D4	Sustainability and environmental commitment
D5	Capacity for information management, analysis and synthesis
D6	Organization and planning capacity
D8	Ability to solve problems, critical reasoning and decision making
D10	Autonomous Learning

Learning outcomes

Expected results from this subject	Training and Learning Results		
New	B1	C19	D4
	B2		D5
	B3		D6
	B4		D8
			D10

Contents

Topic	
Subject 1.	Concepts and concepts: Environment and environmental management.
Subject 2.	History and environmental regulations in Europe. Environmental action plans of the European Union.
Subject 3.	Environmental management in the public sector. Environmental Plans. Global plans. Sectoral plans.

Subject 4.	Environmental legislation: In the European Union, in Spain, in the Autonomous Communities.
Subject 5.	Environment and Natural environment. Environmental factors. Actions and activities that produce impacts.
Subject 6.	Sustainable development. Renewal rate, assimilation capacity and host capacity.
Subject 7.	Impact of a project or activity. Impact on the different phases of the project.
Subject 8.	Indicators of impact. Biological indicators.
Subject 9.	Typology of impacts. Cataloging and classification of environmental impacts.
Subject 10.	Types of environmental impact assessment.
Subject 11.	EIA process. Administrative process and content of the EIA. Declaration of Environmental Impact.
Subject 12.	Environmental impact studies: content and process.
Subject 13.	Studies of project actions that can cause impacts.
Subject 14.	Environmental inventory and factors susceptible of affection.
Subject 15.	Identification and assessment of impacts. Techniques and methods.
Subject 16.	Qualitative methods and quantitative methods.
Subject 17.	Corrective and protective measures. Environmental monitoring plans. Environmental control plans.
Subject 18.	Eco audits and environmental audits.
Subject 19.	Degraded areas: landfills, tailings, slopes, mines, etc. Recovery work.
Subject 20.	Civil works for the regeneration and environmental actions and of restoration and recovery.
Subject 21.	Revegetation and planting.
Subject 22.	Hidrosiembra

Planning

	Class hours	Hours outside the classroom	Total hours
Supervised work	37	0	37
Laboratory practices	20	0	20
Case studies	30	0	30
Classroom jobs	60	0	60
Objective questions exam	1	0	1
Essay	2	0	2

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

Methodologies

	Description
Supervised work	The student, individually or in groups, prepares a paper on the subject of matter or prepare seminars, research, memoirs, essays, summaries of readings, lectures, etc.. Generally it is an autonomous activity / of the student / s that includes finding and collecting information, reading and literature management, writing ...
Laboratory practices	Activities application of knowledge to specific situations and basic skills acquisition and related procedural matter under study. Special spaces are developed with specialized equipment (scientific and technical laboratories, languages, etc.).
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.
Classroom jobs	Students develop exercises or classroom projects under the guidance and supervision of the teacher. May link autonomous development of student activities.

Personalized attention

Methodologies	Description
Classroom jobs	
Supervised work	
Laboratory practices	
Case studies	

Tests	Description
Objective questions exam	

Essay _____ _____

Assessment

	Description	Qualification	Training and Learning Results
Supervised work	(*)Valórase por parte do profesor a dedicación do alumno, o interese e o desenvolvemento dos traballos, a súa valoración realízase o a avaliación final do estudo de casos presentado Avalíanse as competencias básicas CB1 e CB2, as xerais CG6, CG7, CG8, CG9, CG13, CG14, CG17, CG18 e CG19, a específica CE19 (CE 19.1 a 19.19) e as transversais CT1, CT2, CT11, CT14, CT15 e CT20	0	
Laboratory practices	(*)Valórase a asitencia e participación de forma conxunta cos traballos de aula Avalíanse as competencias básicas CB1 e CB2, as xerais CG6, CG7, CG8, CG9, CG13, CG14, CG17, CG18 e CG19, a específica CE19 (CE 19.1 a 19.19) e as transversais CT1, CT2, CT11, CT14, CT15 e CT20	0	
Case studies	(*)O traballo é valorado e avaliado polos propios compañeiros tras a presentación do mesmo e polo profesor quen terá en consideración todos os factores sinalados no apartado de traballos tutelados Avalíanse as competencias básicas CB1 e CB2, as xerais CG6, CG7, CG8, CG9, CG13, CG14, CG17, CG18 e CG19, a específica CE19 (CE 19.1 a 19.19) e as transversais CT1, CT2, CT11, CT14, CT15 e CT20	0	
Classroom jobs	(*)Valórase a asistencia e participación con seguimento individual dos alumnos Avalíanse as competencias básicas CB1 e CB2, as xerais CG6, CG7, CG8, CG9, CG13, CG14, CG17, CG18 e CG19, a específica CE19 (CE 19.1 a 19.19) e as transversais CT1, CT2, CT11, CT14, CT15 e CT20	0	
Objective questions exam	(*)Realízase unha proba tipo test e de resposta longa ao final da materia a modo de exame final sobre o contido do temario que se desenvolveron no curso e sobre as materias das visitas e prácticas Avalíanse as competencias básicas CB1 e CB2, as xerais CG6, CG7, CG8, CG9, CG13, CG14, CG17, CG18 e CG19, a específica CE19 (CE 19.1 a 19.19) e as transversais CT1, CT2, CT11, CT14, CT15 e CT20	70	
Essay	(*)O traballo presentado deberá ter unha parte importante de contido técnico e valorarase a súa innovación en canto a temática e desenvolvemento, A súa avaliación será incluída no estudo de casos. A valoración adicional será consecuencia da obtención dos obxectivos expostos inicialmente avalíanse as competencias básicas CB1 e CB2, as xerais CG6, CG7, CG8, CG9, CG13, CG14, CG17, CG18 e CG19, a específica CE19 (CE 19.1 a 19.19) e as transversais CT1, CT2, CT11, CT14, CT15 e CT20	30	

Other comments on the Evaluation

Sources of information
Basic Bibliography
Complementary Bibliography

Recommendations