



IDENTIFYING DATA

Projects

Subject	Projects	Choose	Year	Quadmester
Code	P03G370V01503	Mandatory	3rd	1st
Study programme	(*)Grao en Enxeñaría Forestal			
Descriptors	ECTS Credits			
	6			
Teaching language				
Department				
Coordinator	Valero Gutiérrez del Olmo, Enrique María			
Lecturers	Picos Martín, Juan Valero Gutiérrez del Olmo, Enrique María			
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General description	(*)Esta materia é de carácter eminentemente aplicado e co obxectivo de que os alumnos adquiran os coñecementos básicos mediante a aprendizaxe dos conceptos, terminoloxía, teoría, e metodoloxía necesarios para ser capaz de entender, formular e resolver un proxecto.			

Competencies

Code

B35	CG-35: Capacidade para deseñar, dirixir, elaborar, implantar e interpretar proxectos.
B36	CG-36: Capacidade para deseñar, dirixir, elaborar, implantar e interpretar plans.
B37	CG-37: Capacidade para redactar informes técnicos.
B38	CG-38: Capacidade para redactar memorias de recoñecemento.
B39	CG-39: Capacidade para redactar valoracións.
B40	CG-40: Capacidade para redactar peritaxes.
B41	CG-41: Capacidade para redactar taxacións.
B42	CG-42: Capacidade para entender, interpretar e adoptar os avances científicos no campo forestal, para desenvolver e transferir tecnoloxía e para traballar nun medio multilingüe e multidisciplinar.
D1	(*)CBI 1: Capacidade de análise e síntese.
D2	(*)CBI 2: Capacidade de organización e planificación.
D3	(*)CBI 3: Capacidade de comunicación oral e escrita tanto na lingua vernácula como en linguas estranxeiras.
D5	(*)CBI 5: Capacidade de xestión da información.
D6	(*)CBI 6: Adquirir capacidade de resolución de problemas.
D7	(*)CBI 7: Adquirir capacidade na toma de decisións.
D8	(*)CBP 1: Capacidades de traballo en equipo, con carácter multidisciplinar e en contextos tanto nacionais como internacionais.
D9	(*)CBP 2: Habilidades nas relacións interpersoais.
D11	(*)CBP 4: Habilidades de razonamento crítico.
D13	(*)CBS 1: Aprendizaxe autónoma.
D14	(*)CBS 2: Adaptación a novas situacións.
D15	(*)CBS 3: Creatividade.
D16	(*)CBS 4: Liderado.
D20	(*)CBS 8: Sensibilidade cara a temas ambientais.

Learning outcomes

Expected results from this subject

Training and Learning Results

(*)	B35	D1
	B36	D2
	B37	D3
	B38	D5
	B39	D6
	B40	D7
	B41	D8
	B42	D9
		D11
		D13
		D14
		D15
		D16
		D20

New

Contents

Topic

Theme I. The project as a concept	- Definition and philosophy of the project - The project cycle
Theme II. The project as a method. Project engineering	- Project methodology. Reliability study - Preliminary project or preliminary project -Project detailed -Project planning - Socio-economic evaluation of projects -Evaluation of projects -Analysis of risk in the evaluation of projects.
Theme III. The project as document	- Content of project documents -Memory -Blueprints -Posts of conditions -Budget
Theme IV. The professional activity and the project	- The contracting of technical assistance for the drafting of projects. -The contest of projects and execution of works -The activity of project engineer -The rates of fees.
Theme V. Forestry projects	-The forest projects - Industrial projects of 1st transformation -Projects of management of forest masses -Projects of forest infrastructure in the forest - Hunting projects -Fishing projects. -Projects for recreation and public use -Projects for the management of protected areas.

Planning

	Class hours	Hours outside the classroom	Total hours
Presentations / exhibitions	75	0	75
Projects	38	0	38
Forum Index	12	0	12
Proceedings	13	0	13
Laboratory practises	12	0	12
Multiple choice tests	2	0	2
Jobs and projects	0	10	10

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

Methodologies

	Description
Presentations / exhibitions	Exhibition by the students to the teacher and / or a group of students of a subject matter or content of the results of a job, exercise, project ... It can be done individually or in groups.
Projects	Performing activities that allow the cooperation of various subjects and students face, working together, to open problems. Allow coaching, among others, the cooperative learning skills, leadership, organizational, communication and strengthening relationships.
Forum Index	Activity within a virtual environment in which they discussed various topics related to the academic and / or professional.

Proceedings	Open discussion between a group of students. You can focus on a topic of subject content, the analysis of a case, the outcome of a project, exercise or problem previously developed a keynote address ...
Laboratory practises	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.).

Personalized attention

Methodologies	Description
Presentations / exhibitions	
Laboratory practises	
Projects	
Forum Index	
Proceedings	

Assessment

	Description	Qualification	Training and Learning Results
Presentations / exhibitions	(*)Exames finais, ou por escrito de tipo redacción ou desenvolvimento dun ou varios temas, ou ben de tipo test, ou combinados ou ben, no seu caso exames orais.	40	D1 D3 D11 D13
Projects	(*)Realización dun anteproyecto técnico de carácter semi-profesional.	40	B35 D2 B36 D3 B37 D6 B38 D7 B39 D8 B40 D9 B41 D13 B42 D14 D15 D16 D20
Multiple choice tests		0	
Jobs and projects	(*)Avaliación continua do alumno a través da súa asistencia e participación, tanto nas clases como en debates e foros de discusión.	20	D3 D6 D7 D8 D13 D14 D15

Other comments on the Evaluation

Sources of information

Basic Bibliography

Complementary Bibliography

- BERGILLOS MADRID, J.M, **Metodología de diseño de proyectos**, 1989.,
 DE COS CASTILLO, M, **Teoría general del proyecto. Dirección de proyectos**, 1995,
 GÓMEZ SENENT, E, **Introducción al proyecto**, 1989,
 PEÑA, A., **Apuntes de Proyectos: Proyectos de Ingeniería y Documento Proyecto.**, 1997,
 GÓMEZ SENENT, E., **Las fases del proyecto y su metodología.**, 1992,
 HEREDIA, R., **Dirección integrada de proyecto. Segunda edición**, 1995,
 CORZO, M.A., **Introducción a la ingeniería de proyectos**, 2002,
 TRUEBA, Y., A. CAZORLA y J.J. DE GRACIA, **Proyectos empresariales. Formulación y Evaluación**, 1995,
 ROMERO, C, **Teoría de la decisión multicriterio: conceptos, técnicas y aplicaciones.**, 2005,
 PIQUER, J.S, **El proyecto en ingeniería y arquitectura**, 2003,
 ESCRIVA, I.V., J.L.. PEREZ-SALAS y V. SEGURA, **Cuadro de precios. Ingeniería agronómica y alimentaria**, 1996,
 SAPAG CHAIN, N, **Fundamentos de Preparación y Evaluación de Proyectos**, 2005,
 MORRILLA ABAD, IGNACIO, **Guía metodológica y práctica para la realización de proyectos.**, 1998,

Recommendations

Subjects that are recommended to be taken simultaneously

Forest exploitation/P03G370V01601
Forest constructions/P03G370V01501
Environmental management/P03G370V01608
Forestry hydrology/P03G370V01604
Forest management/P03G370V01605
Repopulation/P03G370V01603

Subjects that it is recommended to have taken before

Physics: Physics I/P03G370V01102
Physics: Physics II/P03G370V01202
Mathematics: Overview of mathematics/P03G370V01203
Mathematics: Mathematics and IT/P03G370V01103
Botany/P03G370V01303
Electrotechnology and rural electrification/P03G370V01304
