Universida_{de}Vigo

Subject Guide 2020 / 2021

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|------------------------|--|----------------------|---------------------|---------------------------|
| | | | | |
| IDENTIFYIN | | | | |
| Forest man | | | | |
| Subject | Forest | | | |
| | management | | | |
| Code | P03G370V01605 | | | |
| Study | (*)Grao en | | | |
| programme | Enxeñaría Forestal | Channel | N e e e | 0 |
| Descriptors | ECTS Credits | Choose | Year | Quadmester |
| Tarahima | 6 Constitution | Optional | 3rd | 2nd |
| Teaching | Spanish Galician | | | |
| language Department | Galiciali | | | |
| Coordinator | Fernández Alonso, José María | | | |
| Lecturers | Fernández Alonso, José María | | | |
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| Web | Josennemandez@dvigo.es | | | |
| General | During it study of #Ordination of Hills will #analyze t | he different meth | ods stop the or | nanisation and |
| description | management of the *aproveitamento of the forest na | | | |
| | the European forest history and of the parallel evolut | | | |
| | problems will allow to enter the distinct solutions and | | | |
| | | - | | |
| Competenc | ies | | | |
| Code | | | | |
| | o measure, inventory and evaluate forest resources, a | apply and develop | silvicultural tec | hniques and |
| | ement of all types of forest systems, parks and recreat | | | |
| | n-timber forest products | | • | 5 |
| B10 Ability t | o apply the techniques of forest management and lan | d planning, as we | ell as the criteria | and indicators of |
| sustaina | able forest management within the framework of fores | st certification pro | ocedures. | |
| | o design, direct, elaborate, implement and interpret p | rojects and plans | , as well as to w | rite technical reports, |
| | tion reports, assessments, appraisals and appraisals. | | | |
| | to know, understand and use the principles of: dasome | | | |
| | to know, understand and use the principles of: forest le | egisiation and cer | tincation; sociol | ogy and forestry policy. |
| | ability and environmental commitment | | | |
| D6 Organiz | ation and planning capacity | | | |

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 | B6 |
|---|-----|
| the necessary level to purchase the rest of the competitions of the qualifications, including notions | B10 |
| of the last advances. | B13 |
| of the last advances. | B13 |

3R. 2018 Be conscious of the multidisciplinary context of the engineering.

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.

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.

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 | |
| Introduction to the #Ordination of Hills | Definitions and concept |
| | Conditions and objective minima |
| | historical Evolution of the hills and of the Objective |
| | #ordination of the Forest Management |
| Strategic and legislative frame of the | Planning: international agreements, state and autonomic plans |
| *planifiación forest | Legislation basic and complementary. Decrees |
| | Instructions of #ordination |
| Content of the instruments of #ordination | Classical structure of a *P.The |
| | Typology of instruments |
| | minimum Contents |
| Bases *selvicolas of the #ordination of hills | Relation with the minimum objectives |
| | Studio *estático of the hills |
| | dynamic Studio of the hills |
| | global Structures and conceptual base |
| Economic bases of the #ordination of hills | Criteria stop the determination of the turn, age of maturity or diameter of |
| | *cortabilidade |
| | technical Criteria, physical or financial |
| Methods of #Ordination | Introduction to the practical methods |
| | Division by fit |
| | Methods of stretches |
| | irregular Masses |
| | Management by *rodais |
| Certification of the forest management | Process, diagrams and modalities |
| | |

Planning

D4 D6 D8

C24

C25

| | Class hours | Hours outside the classroom | Total hours |
|--|-------------|--------------------------------|-------------|
| Lecturing | 26 | 52 | 78 |
| Problem solving | 4 | 10 | 14 |
| Case studies | 6 | 12 | 18 |
| Scientific events | 4 | 6 | 10 |
| Studies excursion | 10 | 18 | 28 |
| Problem and/or exercise solving | 1 | 0 | 1 |
| Report of practices, practicum and external pr | actices 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 by part of the professor of the contained envelope to subject object of study, theoretical bases and/or guidelines of one work, exercise or project to develop pole student. | |
| Problem solving | Activity in the that formulate problems and/or exercises related with the subject. The student owes to develop the suitable or correct solutions by means of it *exercitación of routines, the application of formulas or algorithms, the application of procedures of transformation of the available information and the interpretation of the resulted. It usually employ how supplement of the lesson *maxistral. | |
| Case studies | Analysis of a done, problem or real event with the aim to know it, interpreted, resolved, generate hypothesis, contrast data, *reflexionar, complete knowledges, diagnosed and trained in alternative procedures of solution. | |
| Scientific events | Conferences, talks, exhibitions, round tables, debates Realized by settings of prestige, that allow *afondar or supplement the contents of the subject. | |
| Studies excursion | Activities of application of the knowledges to concrete situations and of acquisition of basic skills and *procedimentais related with the subject object of study. They develop in spaces no academic outsides. It go in they can be quoted practices of field, visits to events, centres of investigation, companies, institutions Of academic interest-professional stop the student. | |

Personalized assistance Description Methodologies Description Problem solving Image: Comparison of the solution of the solutio

| Assessment | | | |
|--|--|---------------|-------------------------------------|
| | Description | Qualification | Training and Learning Results |
| Problem and/or exercise solving | Evaluation by means of proof of theoretical concepts | 60 | B6 |
| Report of practices, practicum and external practices | Continuous evaluation of the individual work. Resolution put student of practical cases and manufacture of report on case of study | 40 | B6 |

Other comments on the Evaluation

Sources of information

Basic Bibliography

MADRIGAL, A, Ordenación de Montes Arbolados, ICONA,

Complementary Bibliography

GONZALEZ MOLINA, et al., Manual de Ordenación por Rodales, Centre Tecnologic Forestal de Catalunya,

DAVIS, L. S.; JOHNSON, K. N.; BETTINGER, P. S.; HOWARD, T. E, **Forest Management (4th ed.)**, McGraw Hill Publishing Co., MADRIGAL, A.; ÁLVAREZ, J.G.; RODRÍGUEZ, R.; ROJO, A., **Tablas de producción para los montes españoles**, Fundación Conde del Valle de Salazar,

DÍAZ-MAROTO, I., **Evolución de los métodos de ordenación de montes en España. Situación actual.**, Escuela Politécnica Superior, Lugo,

ACEMM, **Manual de prevención de riesgos laborales en el sector forestal**, Fundación para la prevención de riesgos laborales. Gobierno de Cantabria,

DIEGUEZ, U. et al., Herramientas Selvícolas para la Gestión Forestal Sostenible en Galicia, Xunta de Galicia, MARTÍNEZ CHAMORRO, et al., Manual para a cubicación, taxación e venda de madeira en pe e biomasa forestal, Universidade de Vigo,

Manual de ordenación de montes de Andalucía, Junta de Andalucía,

Saura Martínez de Toda, Santiago, **Ordenación Forestal. Ejercicios resueltos**, 978-84-8409-269-8, Edicions de la Universitat de Lleida, 2008

| Recommendations |
|-----------------|
|-----------------|

Subjects that continue the syllabus

Physical planning and land management/P03G370V01701

Subjects that are recommended to be taken simultaneously

Projects/P03G370V01503

Subjects that it is recommended to have taken before

Mathematics: Statistics/P03G370V01301 Forestry/P03G370V01401 Use of forests/P03G370V01601 Dasometry/P03G370V01602

Contingency plan

Description

=== EXCEPTIONAL MEASURES SCHEDULED ===

In front of it uncertain and unpredictable evolution of the sanitary alert caused by the COVID- 19, the University establishes join extraordinary planning that will actuate in the moment in that the administrations and the @propio institution determine it attending to criteria of security, health and responsibility, and guaranteeing the *docencia in a @escenario no *presencial or no totally *presencial. These already scheduled measures guarantee, in the moment that was prescriptive, the development of the *docencia of a way but *áxil and effective when being known beforehand (or with a wide advance) pole students and the teaching staff through the tool normalized and institutionalized of the teaching guides DOCNE*T.

=== ADAPTATION OF The METHODOLOGIES ===

- * teaching Methodologies that keep : all except visit of studies
- * teaching Methodologies that modify : the visit of studies would be deleted and *substituida by a case of study
- * Mechanism no *presencial of attention to the students (*titorías): *email, remote campus and *faitic
- * Modifications (proceed) of the contained to impart
- * additional Bibliography to facilitate to car-learning
- * Other modifications

=== ADAPTATION OF The EVALUATION === * Proofs already realized Test XX: [previous Weight 00%] [Weight Proposed 00%] ...

* Pending proofs that keep Exercise final evaluation: [previous Weight 60%] [Weight Proposed 40%] Works of continuous evaluation: [previous Weight 40%] [Weight Proposed 60%]

* Proofs that modify [previous Proof] => [new Proof]

* New proofs

* additional Information