VNIVERSITAT DE VALÈNCIA

Course Guide
43812 Analysis and application of environmental legislation

COURSE DATA

DATA SUBJECT

Code: 43812
Name: Analysis and application of environmental legislation
Cycle: Master's Degree
ECTS Credits: 3
Academic year: 2026-27

STUDY (S)

Degree	Center	Acad. year	Period
2250 - Master's Degree in Environmental Engineering	Escola Tècnica Superior d'Enginyeria	1	First quarter

SUBJECT-MATTER

Degree	Subject-matter	Character
2250 - Master's Degree in Environmental Engineering	Análisis y aplicación de la legislación ambiental	COMPULSORY

COORDINATION

GARCIA-LEONARDO TOBARRA EDUARDO

SUMMARY

Compulsory subject of 3ECTS in the first semester of the first year of the Master of Environmental Engineering.

This subject offers the student the necessary legal knowledges to apply and interpret environmental regulations.

It is focussed on basic legal regime of main legal instruments of environmental law protection and its articulation.

The knowledge and skills to be developed serves as a basis and link for other subjects of the Master, such as water treatment, Environmental impact assessment or waste management and treatment.

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

There are no specified enrollment restrictions with other subjects of the curriculum.

OTHER REQUIREMENTS

There are no specified enrollment restrictions with other subjects of the curriculum

COMPETENCES / LEARNING OUTCOMES

2250 - Master's Degree in Environmental Engineering

Apply tools for environmental assessment and management including environmental impact assessment and environmental risk assessment.

Interpret and apply national and international environmental legislation and adapt environmental solutions to these regulations.

Learn and apply new knowledge, using appropriate learning strategies.

Recognise the ethical and professional responsibilities of environmental engineering and make informed judgements considering the impact of engineering solutions in global, economic, environmental and social contexts.

Students should apply acquired knowledge to solve problems in unfamiliar contexts within their field of study, including multidisciplinary scenarios.

Students should be able to integrate knowledge and address the complexity of making informed judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities associated with the application of their knowledge and judgments.

Students should communicate conclusions and underlying knowledge clearly and unambiguously to both specialized and non-specialized audiences.

Students should demonstrate self-directed learning skills for continued academic growth.

Students should possess and understand foundational knowledge that enables original thinking and research in the field.

Work in a team effectively and with leadership, in a collaborative and inclusive environment, setting goals, planning tasks and meeting objectives.

DESCRIPTION OF CONTENTS

1. BASES OF ENVIRONMENTAL LAW

1.Sources
2. Relationship between European and Domestic Regulations
2) Principles
4) The environment in Spanish Constitution
5) Environmental legal tools typology

2. Integrated legislation (I) ENVIRONMENTAL ASSESMENTS

1.Origin and characteristics; 2. Tipology; 3. Applicable legislation; 4) Environmental impact assessment: A) Scope; B) Procedure; C) The Environmental Impact Statement; 5) The Strategic Environmental Assessment; A) Scope; B) Procedure; C) Breadth

3. Integrated regulations (II): control of industrial emissions and polluting activities emissions

1) Blackground and characteristics; 2) Applicable legislation; 3) National legislation (TRLPCIC of 2016): A) Scope of application; C) Protection tools: a) The integrated environmental authorization; b) The Best available Techniques (BAT) rule: The BREFs and the BAT conclusions; b) Inspections and sanctions ; c) The Pollutant Release and Transfer Register; 3) Regional Legislation

4.
Quizás quisiste decir: Legislación sectorial (Y): protección de las aguas 51/5000
Sectoral legislation (I): protection of waters

1) Applicable legislative framework (European directives and state legislation); 2) Continental and maritime waters: A) Key concepts: continental waters; transition waters; coastal waters; hydrographic basin; hydrographic demarcation; B) Incidence of the Water Framework Directive in the TRLA; C) Main protection techniques: a) Preventives: Delimitation of access zones and of police; Public use easement; Public domain; Prohibition of activities and authorizations; Underground waters: perimeter protection of aquifers; Humid areas; Hydrological planning; Authorizations and concessions; Release authorizations; Dumping Canon b) Repressive: Declaration of overexploited aquifer; Sanctions; 3) Urban wastewater: A) Treatment and purification infrastructures. Legal system; B) Emission levels; C) Competence aspects: fixation of emission levels and discharge authorization; D) Canon for sanitation and purification.

5. SECTORAL LEGISLATION (II)

1) Air Pollution; 2) Waste and polluted soils; 3) Biodiversity and Natural protected areas

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Theory	19,00
Seminar	3,00
Other activities	4,00
Classroom practices	4,00
Total hours	**30,00**

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	7,00
Independent study and work	0,00
Preparation of lessons	25,00
Preparation for assessment activities	13,00
Resolution of case studies	0,00
Total hours	**45,00**

TEACHING METHODOLOGY

The teaching development is structured as follows:
- Theoretical-practical classes, following the participatory model, a sessionweekly, during the first semester.
There will be several case studies throughout the course that will be solved in small groups of students. At the end of each session, they will be discussed in class and evaluate the solutions presented.
- Realization and presentation of a work, which will consist of the analysis of a sectorEnvironmental regulations (Water protection; Atmospheric pollution; Controlof Chemical substances; Renewable energies; Protection of the mountains, etc.).The work will be done in groups. The teacher will attribute the topics of the following by proposal of the groups establishedjobs and throughout the course will verify its development and authorize its exposure.
- Visit to the Institute of Legal Medicine and Forensic Sciences of Valencia, in the City of Justice. As a technical body that performs technical assistance functions (expert reports, sampling, etc.) to the Courts, Prosecutors and prosecutors related to Environmental Crimes). The students will give a summary of the training session.
The e-learning platform will be used (Virtual Classroom of the University of Valencia and / or PoliformaT of the Polytechnic University of Valencia) as a support for communication with the students. Through it you will have access to the didactic material used in class, as well as the cases to be solved.

d.

EVALUATION

The evaluation of the subject is carried out in the following manner.

• A single final exam: 70% of the overall grade.

• Evaluation of the practices, assignments and seminars carried out: 25% of the overall grade.

• Continuous assessment: 5% of the overall grade.

In any case, the evaluation system is governed by what is established in the Regulations of Assessment and Qualification of the University of Valencia for the Graduate and Master's degrees (http://links.uv.es/7s40pjf).

The obvious copying or plagiarism of any activity that is part of the evaluation will mean the impossibility of passing the subject, subject to the disciplinary procedures opportuns indicated in the PROTOCOL D'ACTUACIÓ DAVANT FRAUDULENT PRACTICES AT THE UNIVERSITAT DE VALÈNCIA (ACGUV 123/2020).

>

REFERENCES

- LOZANO CUTANDA, B. y ALLI TURRILLAS, J. C., Administración y Legislación ambiental, editorial Dyckinson.
- ESTEVE PARDO, J, Derecho del medio ambiente, Marcial Pons.
- LOZANO CUTANDA, B., Derecho Ambiental Administrativo, editorial La Ley.
- LOZANO CUTANDA, B. Derecho Ambiental y climático. editorial Dyckinson
- ARNAU ESTELLÉS, A. Aproximación al Derecho Ambiental