



COURSE DATA

DATA SUBJECT

Code: 41057

Name: Qualitative and quantitative techniques for territorial planning and administration

Cycle: Master's Degree

ECTS Credits: 10

Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
2001 - Master's Degree in Environmental and Territorial Management Techniques	Facultat de Geografia i Història	1	Second quarter

SUBJECT-MATTER

Degree	Subject-matter	Character
2001 - Master's Degree in Environmental and Territorial Management Techniques	Methods and techniques applied to land use planning	ELECTIVES

COORDINATION

ESCRIBANO PIZARRO JAIME

SUMMARY

The aim of this module is to provide students with the theoretical and, above all, practical knowledge to be able to tackle territorial planning and the management derived from it. To this end, it includes content (especially in the form of techniques) on socio-demographic analysis; information gathering (quantitative and, in particular, qualitative); negotiation and conflict resolution; participation and planning of protected natural spaces; evaluation systems (models, indicators, procedures, etc.) and strategic foresight exercises for territorial planning; and finally, on landscape management and intervention actions. All this, in 62 hours of theoretical-practical classes, with the use of different methodologies of guided work but also of autonomous development, through classroom exercises, group tasks, workshops and specific seminars to deepen specific tools, reading of reports and/or management reports, and viewing of videos and/or podcasts, field trips, analysis of case studies, etc.

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

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

OTHER REQUIREMENTS



None

COMPETENCES / LEARNING OUTCOMES

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Capacidad de organización, planificación y gestión de la información ambiental y territorial

Capacidad de realizar la planificación territorial: análisis, diagnóstico y propuestas.

Conocer y aplicar las teorías, enfoques y técnicas de concertación y participación sociocomunitaria.

Manejo de Sistemas de Información Geográfica aplicados a los problemas medioambientales y territoriales

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 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.

Técnicas de análisis cuantitativo

DESCRIPTION OF CONTENTS

1. Techniques for socio-demographic analysis at local and regional level

1. Socio-demographic structures and population dynamics.
2. Methodology for researching immigration on a local scale.
3. Population prospects.
4. The analysis of social vulnerability.



2. General introduction to qualitative methodology

1. Qualitative research in Geography
2. Qualitative vs. quantitative methodology. Towards overcoming dualism
3. Definition of the qualitative method. Objectives and utilities
4. Subjectivity and rigour in qualitative analysis.

3. Qualitative techniques used in geography

1. Surveys and interviews.
2. Delphi method, focus groups and observational techniques.
3. Other techniques.
4. Discourse analysis with computer tools. Practical examples.

4. Negotiation and conflict resolution techniques

1. Negotiation techniques: experiences and applications.
2. Conflict resolution techniques: notions, stages, strategies.

5. Participation techniques: experiences around the planning of protected natural areas

1. Management processes: planning, organisation, leadership and control.
2. Planning and participation for the establishment of protected natural areas.
3. Instruments for planning, management and participation of protected natural areas.
4. Preparation of participation and management plans.

6. Evaluation techniques

1. Introduction to evaluation: concepts and development.
2. Indicators.
3. Evaluation techniques: concrete examples.



7. Foresight techniques

1. Strategic foresight: delimitation and methods.
2. Foresight techniques: concrete examples.

8. Techniques for landscape planning and intervention in the landscape

1. Knowledge and skills in the visualisation of transformations in the landscape: practical applications.
2. Visualisation techniques.
3. Actions for landscape requalification, landscape management and landscape integration.

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Tutorials	2,00
Theory	10,00
Seminar	12,00
Other activities	12,00
Computer classroom practice	6,00
Classroom practices	20,00
Total hours	62,00

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	0,00
Individual or group project	0,00
Independent study and work	90,00
Preparation of lessons	0,00
Preparation for assessment activities	70,00
Resolution of case studies	28,00
Total hours	188,00

TEACHING METHODOLOGY

The subject will be taught through a combination of some or all of the following training activities:



- 1) Theoretical classes: explaining main concepts, methods, and techniques; as well as doubts that may have arisen during personal work.
- 2) Practical classes: students solve simplified real problems by applying techniques discussed in lectures
- 3) Individual work: students perform exercises, produce short written assignments, and practical reports responding to issues raised by faculty.
- 4) Seminars and fieldwork: techniques include participatory workshops and field trips. Students produce technical reports.
- 5) Tutorials: virtual tutorials using virtual classroom tools.

EVALUATION

The evaluation model will be based on the following percentages:

- a) Attendance at face-to-face classes (minimum requirement of 80% attendance).
- b) Examination (theoretical and/or practical): 25%
- c) Directed work and practicals: 70%
- d) Complementary activities: 5%

With regard to assessment and grading, the appropriate requirements will be followed as set out in Chapter VI of the University of Valencia's assessment and grading regulations for bachelor's and master's degrees. ACGUV 108/2017 (http://www.uv.es/graus/normatives/2017_108_Reglament_avaluacio_qualificacio.pdf).

In relation to the plagiarism of any of the works requested in the framework of this module, the CEC approves, in the meeting of 26 March 2024, that the deliveries with 20% or more of plagiarism, will be suspended.

We also recommend accessing and reading the Protocol of action against fraudulent practices at the Universitat de València. ACGUV 123/2020 (<https://www.uv.es/sgeneral/Protocols/C83sp.pdf>).

REFERENCES

Basic:



Ander-Egg, E. (1989). *Introducción a las técnicas de investigación social*. Humanitas. [Disponible en la biblioteca de la UV].

Carvajal, B. C., y Carvajal, M. (2020). Triangulación de métodos en ciencias sociales. *Mayéutica Revista Científica De Humanidades y Artes*, 8, 170-196.

Delgado, J. M., y Gutiérrez, J. (1994). *Métodos y técnicas cualitativas de investigación en ciencias sociales*. Síntesis. [Disponible en la biblioteca de la UV].

Español, I. (1998). *Las obras públicas en el paisaje. Guía para el análisis y evaluación del impacto ambiental en el paisaje*, Centro de Publicaciones. Secretaría General Técnica. Ministerio de Fomento. CEDEX.

García, J. (2004). *Políticas y programas de participación social*. Síntesis. [Disponible en la biblioteca de la UV].

Godet, M. (1991). *Prospectiva y planificación estratégica* (1a ed.). SG. [Disponible en la biblioteca de la UV].

Institut de Treball Social i Serveis Socials. (1986). *Indicadores de evaluación*. INTRESS. [Disponible en la biblioteca de la UV].

Lockwood, M., Worboys, G. L., y Kothari, A. (2006). *Managing protected areas: a global guide*. Earthscan. [Disponible en la biblioteca de la UV].

Lune, H., y Berg, B. L. (2017). *Qualitative research methods for the social sciences*. Pearson.

Moral-Arce, I. (2016). *Evaluación de políticas públicas: técnicas cuantitativas*. Garceta Grupo Editorial. [Disponible en la biblioteca de la UV].

Sánchez, M., Fernández, M., y Díaz, J. (2021). Técnicas e instrumentos de recolección de información: análisis y procesamiento realizado por el investigador cualitativo. *Revista Científica UISRAEL*, 8(1), 107-121.

Complementary:

Corbetta, P. (2007). *Metodología y técnicas de investigación social*. McGraw Hill. [Disponible en la biblioteca de la UV].

EUROPARC-España (2008). *Planificar para gestionar los espacios naturales protegidos*. Fundación Interuniv. Fernando González Bernáldez para los espacios naturales.

Eyles, J. (1988). *Research in Human Geography: Introductions and Investigations*. Basil Blackwell.

Fernández, J. A., y Leal, J. (2006). *Análisis territorial de la demografía española*. Fundación Fernando Abril



Martorell.

Flick, U. (2012). *Introducción a la investigación cualitativa*. Morata. [Disponible en la biblioteca de la UV].

Foundation Landscape Architecture Europe LAE (2006). *Fieldwork: Landscape Architecture Europe*. Birkhauser Verlag.

Hay, I. (2010). *Qualitative Research Methods in Human Geography*. Oxford University Press. [Disponible en la biblioteca de la UV].

Leguina, J. (1989). *Fundamentos de demografía*. Siglo XXI. [Disponible en la biblioteca de la UV].

Rodriguez, M. (2009). *Metodología integral de evaluación de proyectos sociales: indicadores de resultados e impactos*. Editorial Brujas. [Disponible en la biblioteca de la UV].

Tarantola, S., Mascherini, M., & Instituto Vasco de Estadística, ed. (2009). *Handbook on constructing composite indicators = Adierazle konposatuen garapena eta ebaluazioa = desarrollo y evaluación de indicadores compuestos*. Eustat. [Disponible en la biblioteca de la UV].

Wascher, D. M. (2005). *European Landscape Character Areas. Typologies, Cartography and Indicators for the Assessment of Sustainable Landscapes*. Final Project Report as deliverable from the EU's Accompanying Measure project European Landscape Character Assessment Initiative (ELCAI), funded under the 5th Framework Programme on Energy, Environment and Sustainable Development. Landscape Europe.