COURSE DATA

DATA SUBJECT

Code: 43505
Name: Techniques for analysing the landscape
Cycle: Master's Degree
ECTS Credits: 8
Academic year: 2025-26

STUDY (S)

Degree	Center	Acad. year	Period
2213 - Master's degree in Cultural Heritage: Identification, Analysis and Manageme	Facultat de Geografia i Història	1	Second quarter

SUBJECT-MATTER

Degree	Subject-matter	Character
2213 - Master's degree in Cultural Heritage: Identification, Analysis and Manageme	Pathway in analysis and management of landscape heritage	ELECTIVES

COORDINATION

IRANZO GARCIA EMILIO

HERMOSILLA PLA JORGE

SUMMARY

Landscape analysis techniques is an optional 8-credit subject whose contents focus on understanding the historical context, institutional and legal framework that has motivated the presence of landscape in the political agenda and in the learning of analysis techniques that integrate methods of cataloging, characterization and evaluation of the quality of landscapes, necessary in the application of legal instruments such as Landscape Studies.

Given the complexity of the landscape, multidisciplinary concept, it is necessary to approach landscape studies the knowledge of various techniques and methodologies that allow its approximation and analysis: archaeological, historical, cartographic techniques.

This subject belongs to the Specialty Subject in Landscape Heritage Analysis and Management

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

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

OTHER REQUIREMENTS

COMPETENCES / LEARNING OUTCOMES

2158 -

Be able to access to information tools in other areas of knowledge and use them properly.

Capacidad para la aplicación las habilidades de aprendizaje que les permitan actuar tanto de un modo autodirigido o autónomo como en equipos de trabajos de perfil multidisciplinar.

Capacidad para la comunicación de las conclusiones y los conocimientos y razones últimas que las sustentan a públicos especializados y no especializados.

Capacidad para la integración del aprendizaje en un contexto de igualdad hombre/mujer, en una cultura de paz y con valores democráticos.

Capacidad para la integración de los contenidos del Máster en un contexto medioambiental y de sostenibilidad.

Capacidad para la resolución de problemas en entornos nuevos o poco conocidos, dentro de contextos más amplios o multidisciplinares relacionados con su área de estudio.

Capacitación para la toma de conciencia sobre la acción social y educativa del Patrimonio Cultural, como un elemento ético presente en la vida de las sociedades.

Conocimiento de las nuevas tecnologías en relación a la identificación, investigación, conservación, puesta en valor y difusión del Patrimonio Cultural.

Conocimiento de las técnicas de empleabilidad, relacionadas con las modalidades y tipologías de empresas, las salidas laborales y los
yacimientos de empleo.

Conocimiento de los aspectos teóricos sobre Patrimonio Cultural, así como la diversidad de tipologías patrimoniales y capacidad para la aplicación de estrategias de investigación, conservación y gestión.

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

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

To be able to assess the need to complete the scientific, historical, language, informatics, literature, ethics, social and human background in general, attending conferences, courses or doing complementary activities, self-assessing the contribution of these activities towards a comprehensive development.

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DESCRIPTION OF CONTENTS

Archeological
Historical

1.

Archeological
Geographical

2.

Analysis of the criteria to be adopted in the works aimed at landscape valuation and cataloguing

3.

Thematic cartography
Automatic cartography

4.

Presentation of the methodology and techniques applied for the preparation of studies related to the landscape

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Tutorials	3,00
Theory	23,00
Other activities	3,00
Computer classroom practice	12,00
Classroom practices	7,00
Total hours	**48,00**

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	8,00
Individual or group project	93,00
Independent study and work	34,00
Preparation of lessons	0,00
Preparation for assessment activities	0,00
Resolution of case studies	17,00
Total hours	**152,00**

TEACHING METHODOLOGY

CLASSES:

THEORETICAL/PRACTICAL CLASSES: They include introductory seminars, practical activities with the follow-up and support of the teacher, and work by subject.

PRACTICAL CLASSES: Various practical activities will be carried out in the course of these classes with the aim of applying the theoretical knowledge acquired.

The necessary materials for the development of each practice will be provided in a timely manner by the teachers.

PREPARATION OF THEORETICAL AND/PRACTICAL CLASSES:

Lectures: For the preparation of theoretical and practical classes the student will analyze a series of texts proposed by the teacher in the bibliography.

IMPLEMENTATION OF PRACTICES AND COMPLEMENTARY ACTIVITIES:

To complete the activities developed in the theoretical and practical classes, the students will carry out various complementary activities among which stand out four field trips, conferences, guided visits and heritage itineraries. The evaluation procedures used for each of these activities will be announced in due course by the teachers.

TUTORIALS: Teachers will invite students to academic orientation interviews -personal and/or group- aimed at promoting the student's autonomous learning by solving specific problems, commenting on the recommended bibliography, etc.

EVALUATION

ACCOMPLISHMENT OF THE SUBJECT WORK

The student will do a work on a topic related to any of the aspects that cover the different subjects of the Subject. The work will be directed by a teacher of any of the subjects of the Subject that will be in charge of the evaluation of the same. The evaluation procedures used for each of these activities will be announced in due course by the teachers. The student will complete the work within the deadlines that appear in the table included in the General Information provided to the students of the Master.

The work constitutes 70% of the final grade. It will only be averaged if the work has obtained a minimum grade of Pass (equal to or greater than 5 out of 10). Class attendance, conference and complementary activities with use: 30% of the total grade. The composition of the final note shall, in summary, take account of the following table:

Subject work	70 %
Class attendance, conferences and complementary activities	30 %
TOTAL	100 %

REFERENCES

- Cartografia general: BIELZA DE ORY, V., ed. (1993). Geografia general, tom I, capítol II: Información geográfica y representación cartográfica, ed. Taurus, Madrid. CORBERO, M. V. et al (1993), Trabajar mapas, Biblioteca de Recursos Didácticos, Alhambra, 152 p. MARTÍN LÓPEZ, J. (1999), Cartografía, Colegio Oficial de Ingenieros Técnicos en Topografía, Madrid. URTEAGA, L. i NADAL, F. (2001), Las series del mapa topográfico de España a escala 1/50.000. Ministerio de Fomento. Dirección General del Instituto Geográfico Nacional,

- Sistemas dinformació geogràfica: BOSQUE SENDRA, J. (1997): Sistemas de información geográfica, Madrid, Rialp, 2a edició corregida, 451 p. BOSQUE SENDRA, J. ESCOBAR MARTÍNEZ, F. J., GARCÍA HERNÁNDEZ, E. i COMAS, D. i BURROUGH, P.A. i R.A. McDONELL (2000) Principles of Geographical Information Systems, Oxford University Press, 333 p. RUIZ, E. (1993) Fundamentos de los Sistemas de Información Geográfica, ed. Ariel Geografía, Barcelona. GUTIERREZ PUEBLA, J. i GOULD, M. (1994) SIG: Sistemas de Información Geográfica, ed. Síntesis, Madrid, 251 p.

- Els SIG en arqueologia: ALLEN, K., GREEN, S., ZUBROW,E. (eds.) (1992): Interpreting Space: GIS and Archaeology. London. Taylor and Francis. ALDENDERFER, M. i MASCHNER, H.: Anthropology, space and Geographic Information Systems. Oxford Univ. Press. New York - Oxford. 1996. Especialmente el artículo de Maschner: The Politics of Settlement Choice on the Northwest Coast: Cognition, GIS and Coastal Landscapes, p. 175-189. BARCELÓ, J.A., PALLARÉS, M. (1996): A critique of GIS in archaeology. From visual seduction to spatial analysis, Archeologia e Calcolatori 7. Roma. BARCELÓ, J.A., PALLARÉS, M. (1998): Beyond GIS: The archaeology of social spaces. Archeologia e Calcolatori 9. Methodological Trends and Future Perspectives in the Application of GIS in Archaeology. Roma BAENA, J., BLASCO, C., QUESADA, F. (eds.) (1999): Los SIG y el análisis espacial en arqueología. UAM ed. CONOLLY, J. i LAKE, M (2006): Geographical Information Systems in Archaeology. Cambridge Manuals in

Archaeology. LOCK, G., STANCIC, Z. (eds.) (1995): Archaeology and Geographical Information Systems. A European Perspective. Londres. Taylor and Francis. WESCOTT, K. & BRANDON, R.: Practical Applications of GIS for Archaeologists. A Predictive Modeling Toolkit. Taylor & Francis. Londres. 2000

- Bibliografia complementària: DALEN, J.V., M. GILLINGS, i MATTINGLY, D. Geographical information systems and landscape archeology. 1999, Oxbow Books: Oxford. COATES-STEPHENS, R. (2004): Porta Maggiore : monument and landscape : archaeology and topography of the southern Esquiline from the Late Republican period to the present. Bullettino della Commissione archeologica comunale di Roma. Supplementi ; 12. 2004, Roma.