

**COURSE DATA****DATA SUBJECT****Code:** 43500**Name:** Applied conservation and research techniques**Cycle:** Master's Degree**ECTS Credits:** 9**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 preventive conservation of artistic heritage	ELECTIVES

COORDINATION

ALBA PAGAN ESTER

SUMMARY

It addresses the study of materials and techniques applied to the work of art and architectural conservation. Also studied are the agents of deterioration and pathologies, their detection and treatment. It shows scientific analyses and explains the technology applied to the diagnosis of works of art.

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**

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

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.

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

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 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.

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.

DESCRIPTION OF CONTENTS

1.

Knowledge and development of research processes around the artistic object for its conservation and restoration

2.

Analysis of the diversity and problems of the conservation of the work of art in its varied typologies and materials. Basic conditions for their conservation



3.

Approach to the knowledge of the various materials used in the artistic process, their characteristics, applications, pathologies and solutions

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours
Tutorials	4,50
Theory	22,50
Other activities	4,50
Laboratory	9,00
Classroom practices	13,50
Total hours	54,00

NON PRESENCIAL ACTIVITIES

Activity	Hours
Attendance at other activities	6,00
Individual or group project	60,00
Independent study and work	36,00
Preparation of lessons	0,00
Preparation for assessment activities	0,00
Resolution of case studies	15,00
Total hours	117,00

TEACHING METHODOLOGY

Following the heading of this subject, a practical and applied analysis of the information handled and offered to the student is intended. Real case work will be enhanced. At the same time, guided tours will be carried out to different institutions depository of works of art, and responsible for their conservation and restoration.

EVALUATION

COMPLETION OF THE ITINERARY WORK:

The/her student will do a work on a topic related to any of the aspects that the different subjects of the ITINERARY deal with. The work will be directed by a/a teacher of any of the subjects of the itinerary that will be responsible for the evaluation of the same. The evaluation procedures used for each of these activities, as well as the deadlines for their delivery will be announced in due course by the teaching staff.



The work constitutes 70% of the final grade.

IMPLEMENTATION OF COMPLEMENTARY PRACTICES AND ACTIVITIES: In order to complete the activities developed in the theoretical and practical classes, various complementary activities and specialized conferences will be held, which will be specified at the beginning of the course. 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 percentage:

Tinerary work: 70%

Class attendance, conferences and follow-up activities: 30%

TOTAL: 100%

REFERENCES

- La bibliografia bàsica i complementaria serà proporcionada pel professorat de l'assignatura