



Study Plan

School: School of Social Sciences

Degree: Master

Course: Management and Enhancement of Historic and Cultural Heritage (cód. 828)

Specialization Specialisation in Artistic Heritage and Art History

1st Year - 1st Semester

Specialization Specialisation in Artistic Heritage and Art History

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
HIS13136M	Methods and Techniques of the cultural resources inventory	Cultural Heritage	6	Semester	156
HIS13219M	Cultural Heritage Conservation, Management and Enhancement	Cultural Heritage	6	Semester	156
HIS13137M	Heritage and sustainable development: case studies	Cultural Heritage	6	Semester	156
HIS13138M	Cultural Heritage theory, legislation and practice	Cultural Heritage	6	Semester	156

Group of Options

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
PAO13176M	Landscape Heritage	Landscape Architecture	6	Semester	156
HIS13181M	Visual Sources for Heritage	History of the Art	6	Semester	156
HIS13180M	Social History of Art and Culture	History of the Art	6	Semester	156
HIS13184M	Models, Itineraries and Monumental Paradigms	Cultural Heritage	6	Semester	156
HIS13214M	Museum Heritage and the Construction of Memory	Cultural Heritage	6	Semester	156
HIS13178M	Aesthetics and technique for handicraft and industrial objects	History	6	Semester	156
QUI13228M	Techniques of diagnostic and analysis of cultural heritage artifacts	Chemistry	6	Semester	156
HIS13183M	Mines and miners	History	6	Semester	156
HIS13249M	Engineering Works: Technical Know-how and Heritage Value	History	6	Semester	156
HIS13217M	Technology, Industry and Landscape Change	History	6	Semester	156
HIS13225M	Technologies of the Arab-Islamic world in medieval times	History	6	Semester	156
PAO13218M	Geographic Information Systems and Environment	Environment and Ecology Sciences	6	Semester	156

1st Year - 2nd Semester

Specialization Specialisation in Artistic Heritage and Art History

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
HIS13223M	Management and Enhancement of the Historical and Cultural Heritage: project	Cultural Heritage	6	Semester	156
HIS13226M	History of Art: Themes and Concepts I	History of the Art	6	Semester	156



1st Year - 2nd Semester

Specialization Specialisation in Artistic Heritage and Art History

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
HIS13215M	History of Art: Themes and Concepts II	History of the Art	6	Semester	156

Group of Options

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
PAO13176M	Landscape Heritage	Landscape Architecture	6	Semester	156
HIS13181M	Visual Sources for Heritage	History of the Art	6	Semester	156
HIS13180M	Social History of Art and Culture	History of the Art	6	Semester	156
HIS13184M	Models, Itineraries and Monumental Paradigms	Cultural Heritage	6	Semester	156
HIS13214M	Museum Heritage and the Construction of Memory	Cultural Heritage	6	Semester	156
HIS13178M	Aesthetics and technique for handicraft and industrial objects	History	6	Semester	156
QUI13228M	Techniques of diagnostic and analysis of cultural heritage artifacts	Chemistry	6	Semester	156

2nd Year - 3rd Semester

Specialization Specialisation in Artistic Heritage and Art History

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
HIS13227M	Research Seminary	Cultural Heritage	12	Semester	312
HIS13222M	Monitoring of Dissertation / Report of Internship Seminar	Cultural Heritage	18	Semester	468

2nd Year - 4th Semester

Specialization Specialisation in Artistic Heritage and Art History

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
	Dissertation				
	Internship				

Specialization Scientific, Technological and Industrial Heritage

1st Year - 1st Semester

Specialization Scientific, Technological and Industrial Heritage

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
HIS13136M	Methods and Techniques of the cultural resources inventory	Cultural Heritage	6	Semester	156
HIS13219M	Cultural Heritage Conservation, Management and Enhancement	Cultural Heritage	6	Semester	156
HIS13137M	Heritage and sustainable development: case studies	Cultural Heritage	6	Semester	156
HIS13138M	Cultural Heritage theory, legislation and practice	Cultural Heritage	6	Semester	156



1st Year - 1st Semester
Specialization Scientific, Technological and Industrial Heritage

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
Group of Options					
Component code	Name	Scientific Area Field	ECTS	Duration	Hours
HIS13183M	Mines and miners	History	6	Semester	156
HIS13249M	Engineering Works: Technical Know-how and Heritage Value	History	6	Semester	156
HIS13217M	Technology, Industry and Landscape Change	History	6	Semester	156
HIS13225M	Technologies of the Arab -Islamic world in medieval times	History	6	Semester	156
HIS13214M	Museum Heritage and the Construction of Memory	Cultural Heritage	6	Semester	156
QUI13228M	Techniques of diagnostic and analysis of cultural heritage artifacts	Chemistry	6	Semester	156
HIS13178M	Aesthetics and technique for handicraft and industrial objects	History	6	Semester	156
PAO13176M	Landscape Heritage	Landscape Architecture	6	Semester	156
HIS13181M	Visual Sources for Heritage	History of the Art	6	Semester	156
HIS13180M	Social History of Art and Culture	History of the Art	6	Semester	156
HIS13184M	Models, Itineraries and Monumental Paradigms	Cultural Heritage	6	Semester	156

1st Year - 2nd Semester
Specialization Scientific, Technological and Industrial Heritage

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
HIS13223M	Management and Enhancement of the Historical and Cultural Heritage: project	Cultural Heritage	6	Semester	156
HIS13242M	Spaces, Structures and Objects of Industrial Production	History	6	Semester	156
HIS13216M	Spaces, structures and objects of scientific production	History	6	Semester	156
Group of Options					
Component code	Name	Scientific Area Field	ECTS	Duration	Hours
HIS13183M	Mines and miners	History	6	Semester	156
HIS13249M	Engineering Works: Technical Know-how and Heritage Value	History	6	Semester	156
HIS13217M	Technology, Industry and Landscape Change	History	6	Semester	156
HIS13225M	Technologies of the Arab -Islamic world in medieval times	History	6	Semester	156
HIS13214M	Museum Heritage and the Construction of Memory	Cultural Heritage	6	Semester	156
QUI13228M	Techniques of diagnostic and analysis of cultural heritage artifacts	Chemistry	6	Semester	156
HIS13178M	Aesthetics and technique for handicraft and industrial objects	History	6	Semester	156



2nd Year - 3rd Semester

Specialization Scientific, Technological and Industrial Heritage

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
HIS13227M	Research Seminary	Cultural Heritage	12	Semester	312
HIS13222M	Monitoring of Dissertation / Report of Internship Seminar	Cultural Heritage	18	Semester	468

2nd Year - 4th Semester

Specialization Scientific, Technological and Industrial Heritage

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
	Dissertation				
	Internship				

Specialization Heritage and Environment

1st Year - 1st Semester

Specialization Heritage and Environment

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
HIS13136M	Methods and Techniques of the cultural resources inventory	Cultural Heritage	6	Semester	156
HIS13219M	Cultural Heritage Conservation, Management and Enhancement	Cultural Heritage	6	Semester	156
HIS13137M	Heritage and sustainable development: case studies	Cultural Heritage	6	Semester	156
HIS13138M	Cultural Heritage theory, legislation and practice	Cultural Heritage	6	Semester	156

Group of Options

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
PAO13176M	Landscape Heritage	Landscape Architecture	6	Semester	156
PAO13218M	Geographic Information Systems and Environment	Environment and Ecology Sciences	6	Semester	156
HIS13217M	Technology, Industry and Landscape Change	History	6	Semester	156
HIS13214M	Museum Heritage and the Construction of Memory	Cultural Heritage	6	Semester	156
QUI13228M	Techniques of diagnostic and analysis of cultural heritage artifacts	Chemistry	6	Semester	156
HIS13181M	Visual Sources for Heritage	History of the Art	6	Semester	156
HIS13180M	Social History of Art and Culture	History of the Art	6	Semester	156
HIS13184M	Models, Itineraries and Monumental Paradigms	Cultural Heritage	6	Semester	156
HIS13178M	Aesthetics and technique for handicraft and industrial objects	History	6	Semester	156
HIS13183M	Mines and miners	History	6	Semester	156
HIS13249M	Engineering Works: Technical Know-how and Heritage Value	History	6	Semester	156
HIS13225M	Technologies of the Arab-Islamic world in medieval times	History	6	Semester	156
HIS13214M	Museum Heritage and the Construction of Memory	Cultural Heritage	6	Semester	156



1st Year - 1st Semester
Specialization Heritage and Environment

Component code	Name	Scientific Area Field	ECTS	Duration	Hours

1st Year - 2nd Semester
Specialization Heritage and Environment

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
HIS13223M	Management and Enhancement of the Historical and Cultural Heritage: project	Cultural Heritage	6	Semester	156
PAO13182M	Environmental Impacts, Heritage and Spatial Planning	Environment and Ecology Sciences	6	Semester	156
PAO13185M	Landscape, Heritage and Ecosystems	Environment and Ecology Sciences	6	Semester	156

Group of Options

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
PAO13176M	Landscape Heritage	Landscape Architecture	6	Semester	156
PAO13218M	Geographic Information Systems and Environment	Environment and Ecology Sciences	6	Semester	156
HIS13217M	Technology, Industry and Landscape Change	History	6	Semester	156
HIS13214M	Museum Heritage and the Construction of Memory	Cultural Heritage	6	Semester	156
QUI13228M	Techniques of diagnostic and analysis of cultural heritage artifacts	Chemistry	6	Semester	156

2nd Year - 3rd Semester
Specialization Heritage and Environment

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
HIS13227M	Research Seminary	Cultural Heritage	12	Semester	312
HIS13222M	Monitoring of Dissertation / Report of Internship Seminar	Cultural Heritage	18	Semester	468

2nd Year - 4th Semester
Specialization Heritage and Environment

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
	Dissertation				
	Internship				



Conditions for obtaining the Degree:

*** TRANSLATE ME: Área de Especialização em Património Artístico e História da Arte

Para aprovação na componente curricular nesta área de especialização é necessário a aprovação (através de avaliação ou creditação) das seguintes unidades curriculares:

1.º Ano

1.º Semestre:

4 UC obrigatórias num Total de 24 ECTS

UC Optativa do Grupo de Optativas oferecidas neste semestre num total de 6 ECTS

2º Semestre:

3 UC obrigatórias num Total de 18 ECTS

UC Optativas do Grupo de Optativas oferecidas neste semestre num total de 12 ECTS

2.º Ano

3º Semestre:

2 UC obrigatória num total de 30 ECTS

Para obtenção do grau é necessário aprovação na Dissertação ou Relatório de Estágio no 4º Semestre num total de 30 Ects

Área de Especialização em Património Científico, Tecnológico e Industrial

Para aprovação na componente curricular nesta área de especialização é necessário a aprovação (através de avaliação ou creditação) das seguintes unidades curriculares:

1.º Ano

1.º Semestre:

4 UC obrigatórias num Total de 24 ECTS

UC Optativa do Grupo de Optativas oferecidas neste semestre num total de 6 ECTS

2º Semestre:

3 UC obrigatórias num Total de 18 ECTS

UC Optativas do Grupo de Optativas oferecidas neste semestre num total de 12 ECTS

2.º Ano

3º Semestre:

2 UC obrigatória num total de 30 ECTS

Para obtenção do grau é necessário aprovação na Dissertação ou Relatório de Estágio no 4º Semestre num total de 30 Ects

Área de Especialização em Património e Ambiente

Para aprovação na componente curricular nesta área de especialização é necessário a aprovação (através de avaliação ou creditação) das seguintes unidades curriculares:

1.º Ano

1.º Semestre:

4 UC obrigatórias num Total de 24 ECTS

UC Optativa do Grupo de Optativas oferecidas neste semestre num total de 6 ECTS

2º Semestre:

3 UC obrigatórias num Total de 18 ECTS

UC Optativas do Grupo de Optativas oferecidas neste semestre num total de 12 ECTS

2.º Ano

3º Semestre:

2 UC obrigatória num total de 30 ECTS

Para obtenção do grau é necessário aprovação na Dissertação ou Relatório de Estágio no 4º Semestre num total de 30 Ects ***



Program Contents

[Back](#)

Methods and Techniques of the cultural resources inventory (HIS13136M)

1. The notion of Patrimony (movable, immovable, immaterial, integrated) and the instruments of the ethics of safeguarding the cataloging and inventoring of heritage
2. Inventory of heritage and transmission of memory
 - 2.1 The methodology of cataloging and inventoring and computer resources: contribution to the valuation of the heritage, bet on its cultural and tourist dimension and the definition of protection areas;
 - 2.2 The computerization of the data, the numeration of the pieces and the construction of relational databases to identify the patrimonial funds
3. The Intangible Cultural Heritage: the 2003 UNESCO Convention
 - 3.1 The Masters in Oral and Intangible Heritage of Humanity program (UNESCO in 1999) and the creation of Living Human Treasure systems (1993); the relationship with inventories and community participation.
4. The Patrimonial Inventory and the management of the patrimony: The patrimony, its legal status, the units of study and the operations of census and and of study.

[Back](#)

Cultural Heritage Conservation, Management and Enhancement (HIS13219M)

1. The different typologies of cultural heritage
2. The principal Chartres of Heritage and the evolution of the concept of cultural heritage
3. The institutions related with the cultural heritage: objectives and activities.
 - 3.1- UNESCO and the classification of the World Heritage
 - 3.2. The Council of Europe
 - 3.3. ICOMOS
 - 3.4. TICCIH-The International Committee for the Conservation of the Industrial Heritage
 - 3.5. National and local institutions, public or private, dealing with the preservation and valorisation of cultural heritage.
4. The contemporary debates about cultural heritage and the concepts of conservation, restoration and preservation of heritage.
5. The different forms of cultural heritage valorisation
 - 5.1 The conservation in situ
 - 5.2 The musealization
 - 5.3 The reutilisation
6. Tourism and Heritage
 - 6.1 "routes" and other forms of promoting cultural tourism
 - 6.2. The cultural heritage and the development of tourism: positive and negatives aspects



[Back](#)

Heritage and sustainable development: case studies (HIS13137M)

1. The struggle for sustainability in development

The emergence of the concept within the framework of the evolution of the environmental impact of human activities.

The most important national and international documents relating to sustained development.

The obstacles to the implementation of sustained development principles.

How to measure the impact of human activity.

Future perspectives of sustainability.

2. Heritage resources, development and sustainable management

The need to assess and establish the value of patrimonial, natural and cultural heritage.

The concept of cultural landscape and its importance as heritage.

Monitoring indicators of Heritage resources. The specific case of areas of increased touristic demand.

Demographic evolution and management of patrimonial, natural and cultural resources.

Sustained development and participative management

The importance of sustainability in valorization projects.

3. Case studies

World Heritage lists. Case studies.

[Back](#)

Cultural Heritage theory, legislation and practice (HIS13138M)

1. Cultural heritage law: Portuguese legislation; criteria for the classification of goods of cultural interest: the role of inventory and classification in the protection of cultural goods; the foundation law of cultural heritage; incentives for the participation of the private in the preservation and in the evaluation of the cultural patrimony: the cultural patronage.

2. Legal procedures relating to the safeguarding, valuing and preservation of classified cultural heritage: the classification of cultural goods; classified property protection zones; conservation and restoration interventions in cultural heritage; the protection of movable cultural heritage (alienation and export).

[Back](#)

Landscape Heritage (PAO13176M)

NATURE-LANDSCAPE-GARDEN-NATURAL BEAUTY

IDEA: The myth: mythical landscapes: garden of Eden, locus amoenus. The sentiment: the Aesthetic of landscape. REALITY:

-The completion of Myth and sentiment; The idea of the garden and the concept of Terza Natura; -The garden as representation;

-the garden as Meta-Landscape. FUNCTION: From Land to the landscape: The productive landscapes; The landscapes of protection;

The symbolic landscapes – pleasure -FORM: the early form: -the constructive elements and compositional elements (biotic and abiotic). Form Mutations: Biophysical Factors: -the gardens of the Mediterranean; the gardens of Central and Northern Europe.

Historical and cultural factors: the garden of classical antiquity and the Islamic Heritage. The medieval gardens; the triumph of precision; the french classicismo. The sublimation of emotion: the Landscape garden; The garden of the far East;

From Eclecticism To Modernism; The New Eden: The Contemporary Garden

[Back](#)

Visual Sources for Heritage (HIS13181M)

1. The visuality as an image, the image as a simulacrum.

2. Art as a visual system and a system of representation.

3. The different typologies of visual sources: from rock to digital.

4. The image as historical source: the circumstances of its production and its formal and symbolic dimensions.

5. Iconology and Iconography.

6. Visual Studies.

7. Case studies.



[Back](#)

Social History of Art and Culture (HIS13180M)

- Introduction.
- Social functions of Art –some different perspectives.
- The need for art.
- Arts of space, arts of time.
- Art and Beauty. The question of Taste.
- Philosophical, religious, political and economic readings of artistic realities.

The issue of national cultures.

- From craftsman to artist – social role and status. Workshops, guilds, academies.
- Ways of transmission of artistic know-how. Commands and patronage.

[Back](#)

Models, Itineraries and Monumental Paradigms (HIS13184M)

1. Monumental models and its surveying: space, place and landscape; nature and cultural construction of identity.
2. Sacred and symbolic meanings and the archetypes: the appearance of ancient monumental typologies - city, temple, pilgrimage.
3. Historical models and the establishment of the monumental itineraries: the biblical Holy Land, the post-classical discourses on the Seven Wonders and the cultural and religious triumph of Christian Rome.
4. Monumental models and the establishment of built typologies as civilizational image stand-marks; the monuments as didactics.
5. Monumental models and itineraries: archaeological discoveries and aesthetical debates (16th-17th Centuries), the context of Grand Tour and rediscovery of the Orient (18th-19th Centuries).
6. Cosmopolitan models: urban renewal processes and revival trends.
7. Utopia and dystopia: from imaginary landscapes to the architectural and urban reinvention in the Arts and literature; virtual and digital reconstitution.

[Back](#)

Museum Heritage and the Construction of Memory (HIS13214M)

Module Art History - Looking at artistic objects - Understanding museum collections

Module Cultural Landscape 1. Land Museums and Ecomuseums 1.1. Searching for interventions criteria 1.2. Heritage, landscapes and landscapes museums practices 1.3. The concept of cultural landscape and its operational uses 1.4. Intervention in landscape heritage: tools and strategies 2. Heritage as a land resource. Case studies

[Back](#)

Aesthetics and technique for handicraft and industrial objects (HIS13178M)

1. The biography of objects, their different uses and their contribution to the knowledge of historical evolution.
2. From materials to objects: Different materials and different objects shapes; The materials of contemporary society and objects new forms.
3. The mechanization of the production and the evolution of objects: form handicraft to industrial objects.
4. From design to design: The design and technical expertise; Design and aesthetics of objects; The origins of the design and its evolution,
5. The mechanization of daily life and the new objects: rationalization of the domestic space; the objects of everyday life -utility and aesthetics;
6. A evolução das concepções artísticas e a sua influência sobre os objetos industriais;
7. The artistic representations of industry: painting, architecture and ceramics.
8. The equity value of materials and crafts and industries: The museums; The industry objects in art museums; The Exhibitions.



[Back](#)

Techniques of diagnostic and analysis of cultural heritage artifacts (QUI13228M)

General overview of the analytical methodologies used for material analysis and assessment of the conservation status of a cultural heritage artefact:

- area exams (visible, IR, UV and racking photography; IR reflectography, X-radiography),
- in-situ analytical techniques (X-ray fluorescence spectrometry, Raman spectroscopy, X-ray diffraction, infrared spectrometry, colorimetry)
- microanalysis techniques (optical microscopy, scanning electron microscopy, Raman microscopy, infrared microscopy).

Case studies on easel and mural painting, stone, mortars, metals, textiles, glass, ceramics and graphic documents will be used to exemplify the analytical methodology used to answer questions related to the materials used in the production of an artefact or about their conservation status

[Back](#)

Mines and miners (HIS13183M)

1. Mining and metallurgy in world history. Sources and methodologies of the social and technical history of mining industry and communities from the 19th to 20th centuries.
2. Institutional evolution in mining industry in continental Europe, England and the United States, 18th and 20th centuries.
3. The demography of mining in 'free societies' and in colonial contexts: social and geographic mobility and family organization.
4. The "mining rushes" and the role of the mining press.
5. The organization of companies and the international trade in minerals and metals.
6. Technological evolution in mining engineering and metallurgy.
7. The evolution of the labor market of mining in 'free societies'. Paternalism and welfare state.
8. Mining companies in colonial contexts.
9. Conflict and its organization: from the "spontaneous" revolt to trade unionism and social integration.
10. Pollution and environmental protests in the 19th and 20th centuries.

[Back](#)

Engineering Works: Technical Know-how and Heritage Value (HIS13249M)

1. From military engineering to civil engineering: the evolution of a profession and the definition of the fields of intervention.
2. Engineers as agents in the transfer and adoption of technologies
3. Engineers knowledge and intervention in the territory
 - 3.1. Surveys and knowledge of the territory
 - 3.2. Construction of networks of roads and the "works of art" of engineering
 - 3.3. Great hydraulic works: dams and harbours
 - 3.4. Intervention in urban spaces and the building of water, sewers, electricity and communication infrastructures.
4. Representations of works of engineering
 - 4.1. In photography
 - 4.2. In prints and paintings
5. The recognition of the patrimonial value of works of engineering
 - 5.1. Case studies of landmarked buildings
 - 5.2. Analysis of the different forms of drawing attention to and enhancing the value of these works: transformation in museums; insertion in "routes"; web portals and others.



[Back](#)

Technology, Industry and Landscape Change (HIS13217M)

1. History, Nature, landscape, technology and industry: definition of concepts
2. Energy and landscape
 - 2.1 The use of water resources
 - a) The water resources as a driving force, changing the course of rivers and the location of industry
 - b) The dams
 - c) Thermal springs - an industry of exploitation of natural water resources
 - 2.2 The use of wind as a driving force: from windmills to wind turbines
3. The construction of transportation networks
 - 3.1 The layout of railways and roads network
 - 3.2 Bridges and viaducts
4. The industry and the mines
 - 4.1 large factories in urban and rural spaces.
 - 4.2 mines and the visible and invisible alterations in landscapes
5. The landscape heritage
 - 5.1 The European Landscape Convention
 - 5.2 Study cases of landmarked landscapes as cultural heritage

[Back](#)

Technologies of the Arab -Islamic world in medieval times (HIS13225M)

Introduction - The historical context - Islam in the Middle Ages: a general perspective

1. The culture in Islam
 - 1.1. Muslim knowledge and the West: "a forgotten heritage"?
 - 1.1. Islam and the assimilation of knowledge: from translation to cultural creation
 - . Islam and techniques
- 2.1. The Water
 - 2.1.1. Water in religion and Islamic law
 - 2.1.2. Water and cities
 - 2.1.3. Water and agriculture
 - 2.1.4. The sea, boats, navigation instruments
- 2.2. The Fire
 - 2.2.1. Alchemy and chemical technology - Jâbir b. Hayan (Geber) between History and Myth
 - 2.2.2. Glass and ceramics
 - 2.2.3. Metallurgy and military techniques
- 2.3. The Earth
 - 2.3.1. Construction techniques
3. The protagonists
 - 3.1. A rediscovered inventor: Al-Jazari (1136-1206)



[Back](#)

Geographic Information Systems and Environment (PAO13218M)

- Concepts of Geographic Information System;
- Fundamentals of Geographic Information System,
- Components and functionalities;
- Data models (raster, vectorial, three-dimensional);
- Conceptual modeling of a GIS;
- Geographic data acquisition processes (digitization, topography, GPS,)
- Basics of Geodesy and cartography;
- Notions of databases; Metadata;
- Notions of Quality in GIS;
- Functions of spatial analysis of georeferenced information (vectorial, raster, three-dimensional); Practical applications; Modelling; WEBGIS.
- Creation of a GIS project: application to heritage and environment (practical work)

[Back](#)

Management and Enhancement of the Historical and Cultural Heritage: project (HIS13223M)

- Presentation and debate on aspects relating to the realization of projects in the field of cultural heritage;
- Analysis of different typologies of cultural heritage;
- Definition of topics to be addressed, individually and / or in group (s);
- Regular presentation of work and critical comments.

[Back](#)

History of Art: Themes and Concepts I (HIS13226M)

The emergence of art critics and historiography

The definition of major historical and stylistic periods of European art and its referents.

The formulation of ideas about art and its practices.

The sense of artistic creation.

Valuation and rupture of the aesthetic heritages and its manifestations.

[Back](#)

History of Art: Themes and Concepts II (HIS13215M)

Portuguese Art vs. Art in Portugal.

Approaches to architectural space – plan, covering, lighting.

Function and adaptation.

Romanesque and Cistercian Architecture.

Gothic.

Manueline – the art and the style.

Baroque in Portugal and Brazil.

Two particular examples of museology in Portugal – Museu Nacional de Arte Antiga and Gulbenkian Museum.

Guided tour of Évora's main monuments.



[Back](#)

Research Seminary (HIS13227M)

This seminar aims to provide 2nd cycle students with a theoretical update, accompanied by methodologies and working tools to prepare a project consistent with the preparation of the dissertation or internship report.

Fixed initial themes:

- The choice of study topics: feasibility, adequacy and relevance;
- The formulation of research: research, determination, selection, criticism, interpretation and use of sources; the complementary readings;
- Definition of methodology and data processing;
- Normative wording and presentation of the dissertation.

The training is then focused on the individual project of each master's degree, which is expected to participate actively in each session with reflections, analysis and work on theoretical contributions in their area.

[Back](#)

Monitoring of Dissertation / Report of Internship Seminar (HIS13222M)

This UC is structured according to the various stages necessary to the development of dissertations / reports of internship.

Its objectives are:

- Supervise the student's work in the bibliographic research on the selected topic to elaborate his dissertation or thesis project.
- Supervise the student in the elaboration of a work plan for the clear definition of the objectives and expected results.

[Back](#)

Spaces, Structures and Objects of Industrial Production (HIS13242M)

1. Technological progresses and their influences upon the methods of industrial production and the creation of new products and materials;
2. Changes in spaces of industrial production;
3. Laboratories devoted to materials resistance and industrial production;
4. New materials and new constructive structures;
5. Development of industrial products as a response to new consumer patterns;
6. Technological and industrial progresses and the abandonment of old industrial structures.

[Back](#)

Spaces, structures and objects of scientific production (HIS13216M)

1. Spaces, structures and objects of scientific production: contents and sources
2. Science, Universities, Laboratories, public spaces of science.
3. Cultural heritage of science - knowledge and cultural heritage production
4. Scientific practices of scientific heritage: commemorative practices.
5. Application to concrete cases of Portuguese society: XVIII-XXI. Interdisciplinary dialogues with scientific cultural heritage.
6. Museum spaces of cities - scientific spaces? Work with different case studies
7. Society, Culture, Education, Science: contexts, scientific actors, scientific community, scientific and cultural vehicles, public and science.



[Back](#)

Environmental Impacts, Heritage and Spatial Planning (PAO13182M)

- 1 Introduction to the concepts of Environmental Assessment and Sustainability - the concepts of disturbance, naturalness and artificiality.
- 2 The concept of Environmental Impact Assessment within the framework of the concept of Environmental Management.
- 3 The legislative framework of Environmental Impact Assessment: National and Community legislation. Specific legislation in the field of Heritage. Critical review of existing legislation.
- 4 Environmental Impact Study: General Steps
5. Specific methodology for estimation of the impact on Heritage
6. Post-Assessment in Environmental Impact: assessment of compliance, monitoring and audits;
7. Basic legal tools in Spatial Planning: PDM, PROT, REN, RAN, NATURA 2000 Network, National Plan for Spatial Planning Policies (PNPOT).

[Back](#)

Landscape, Heritage and Ecosystems (PAO13185M)

1. What are Ecosystems?
2. What is Heritage?
3. What is Landscape?
4. Landscape and Ecosystems
5. Landscape and Heritage