

ECTS Information Package: Degree Programme

Master's degree in

CONSERVATION AND RESTORATION

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A - General Description

Programme Title - Mestrado em Conservação e Restauro

Qualification awarded - Master's degree in Conservation and Restoration

Level of qualification - Second-cycle degree, EQF Level 7; ISCED Level 5

Specific admission requirements

General

According to the Portuguese Law, the following candidates are eligible for entry to the course of study leading to the *Mestre* degree:

- Holders of a *licenciado* degree or legally equivalent corresponding to the first cycle of higher education;
- Holders of a foreign higher degree awarded on completion of a first-cycle programme organised in the framework of the Bologna Process;
- Holders of a foreign higher degree which is deemed by the Technical-Scientific Committee of ESTT-IPT to meet the requirements of a *licenciado* degree.
- Holders of an academic, scientific or professional curriculum which is deemed by the Technical/Scientific Committee of ESTT-IPT as appropriate to access the programme.

Specific

A first-cycle degree in Conservation and Restoration or other related areas with a significant component of conservation and restoration.

Specific arrangements for recognition of prior learning (formal, non-formal and informal)

General

Granting of credits from prior learning is regulated by the Portuguese Law taking into account the level of credits and the field of study where they have been earned and is subject to the recognition of ESTT-IPT Technical/Scientific Committee.

- Training undertaken in the context of other higher education programmes of study from national or foreign HE establishments or organised in the framework of the Bologna Process or other prior learning can be credited towards the present programme of study;
- Credits earned from postgraduate studies can also be credited towards this programme of study;
- Professional experience or other training, different from the abovementioned ones, can also be credited towards this programme of study.

Specific

Not applicable.

Qualification requirements and regulations:

The master's degrees are regulated by Portuguese Law and applicable program regulations established by ESTT-IPT.

In order to complete the master's degree it is necessary to accumulate 120 ECTS credits distributed throughout 4 curricular semesters as according to the course curriculum.

Each ECTS credit corresponds to 27 hours of work.

Profile of the program:

The course aims to train professionals that will be able to access the conservator-restorer profession in accordance with international standards and recommendations in Conservation, in particular the European Network for Teaching Conservation and Restoration (Encore), which has IPT as a member, and the European Confederation of Conservative-Restorers Organisations (ECCO). In order to accomplish this, the course is closely related with the Bachelor's Degree in Conservation and Restoration, so the two together provide the five years training, which is indispensable for access the profession. In a more specific way, the course aims to develop and deepen the knowledge acquired in the Bachelor degree and, moreover, develop skills to, in a creative, critical, independent and interdisciplinary way, design, plan and integrate products and conservation and restoration processes, according to the standards and international best practices.

Key learning outcomes:

- Develop and strengthen knowledge and skills obtained at 1st-cycle level.
- Apply acquired knowledge in new unfamiliar situations and in multidisciplinary contexts.
- Be able to assimilate new knowledge, deal with complex issues, devise solutions or make judgements in situations of restricted or incomplete information, including insights on the implications and ethical and social responsibility of those solutions or judgements.
- Be able to communicate conclusions as well as underlying knowledge and reasoning to specialists or non-specialists in a clear unequivocal manner.
- Develop skills that will enable the students to engage in lifelong learning in an autonomous self-oriented manner.
- Develop competences that will allow them to use creative, critical, autonomous and interdisciplinary skills to design, plan and integrate conservation and restoration products and processes according to international project regulations and relevant state-of-the-art.
- Acquire know-how and skills that will allow them to access the third-cycle, i.e. doctoral studies.

Occupational profiles of graduates with examples:

On completion of two courses of study in Conservation and Restoration totalling a 5-year training (licenciatura+mestrado), students are expected to be prepared to access the conservator-restorer profession according to international standards and recommendations for this activity sector, namely the European Network for Conservation-Restoration Education (ENCoRE), of which IPT is a member, and the European Confederation of Conservator-restorers' Organisations (ECCO).

Graduates from this master's program can be responsible for any conservation / restoration intervention, namely in cultural assets already classified or submitted for classification - which, according to the Portuguese law, requires 5-year training in conservation and restoration (Decree-Law No. 140/2009) and 5 years of professional experience. Apart from conservation and restoration related activities, graduates from this master's degree can also be engaged in the safeguard, enhancement and preservation of cultural assets in a wide range of organisations such as central and local government bodies, museums, charities, foundations, monuments, palaces, churches, convents, archaeological sites, antiquaries, auctioneers, property carriers, property management companies, conservation/restoration project offices and science/technology research laboratories.

Access to further studies:

This program gives access to doctoral studies (third-cycle) in conservation and restoration and other areas.

Course structure diagram with credits

Course code	Course Title	Year	Semester	Credits
338041	Applied Conservation and Restoration	1	A	15
338045	Architectural Heritage	1	S1	4
338043	Art Theory and Criticism	1	S1	5.5
338044	Cultural Heritage Law	1	S1	4
338046	Current Conservation Issues	1	S1	3
338042	Research Methodology	1	S1	5.5
3380411	Art Expertise and Evaluation	1	S2	4
338048	Advanced Examination and Analysis Methods	1	S2	5.5
338049	Entrepreneurship and Corporate Strategy	1	S2	4
338047	Integrated Risk Management	1	S2	5.5
3380410	Philosophy of Conservation	1	S2	4
3380412		2	A	60
3380414	op: Dissertation	2	A	60
3380413	op: Internship	2	A	60

(*) This course may not be available in certain academic years. Please confirm availability with the Erasmus coordinator.

Examination regulations, assessment and grading

General

Assessment of course units complies with the Academic Regulations in force at ESTT-IPT, except for the Dissertation, Project and Internship, to which apply the provisions set out in the regulations for the master's degrees offered by the ESTT-IPT.

- Dissertation, Project and Internship have only two assessment seasons and the students are free to choose only one.
- The assessment calendar for the Dissertation, Project and Internship is proposed by the Programme Coordinating Committee to the Technical/Scientific Committee at the beginning of each academic year.
- The general grade improvement scheme does not apply to the Dissertation, Project and Internship.

The overall grade of the master's programme is the arithmetic weighted average rounded off to the ones of the number of ECTS credits and the grades of the course units that form part of the programme of study.

The 10-20 mark expressed on a 0-20 scale is converted into its equivalent in the European grading scale with the awards Satisfactory, Good, Very Good or Excellent.

Specific

Not applicable.

Graduation requirements:

In order to complete the master's degree it is necessary to accumulate 120 ECTS credits, of which 60 correspond to internship and associated report or a dissertation, both subject to presentation and defence before an examination panel.

Mode of study:

Full- or part-time.

Program director or equivalente

Director: António João de Carvalho da Cruz

Erasmus coordinator: António João de Carvalho da Cruz

ECTS coordinator: António João de Carvalho da Cruz

B - Description of individual course units

Course unit title	Applied Conservation and Restoration
Course unit code	338041
Type of course unit	Compulsory
Level of Course unit	Second Cycle
Year of Study	First Year
Semester/Trimester when the course unit is delivered	Annual
Number of ECTS credits allocated	15
Name of Lecturer(s)	Carla Maria P. Calado Rodrigues do Rego Fernando dos Santos Antunes Luís Filipe Raposo Pereira Fernando Manuel Conceição Costa
Learning outcomes of the course unit	On completion of this unit students should have developed a good degree of autonomy in conservation and restoration and be able to diagnose, examine, identify and record tangible and intangible heritage assets. Make proposals for intervention and prepare conservation and restoration reports.
Mode of delivery	Face-to-face
Prerequisites and co-requisites	Not applicable.
Recommended optional programme components	Not applicable.
Course contents	1. Speciality definition: painting, graphic documents, retables, Petrous Materials, Ceramic materials, Sculpture and Furniture. 2. Laboratory operation 3. Definition and development of a methodology of intervention 4. Analysis, study and intervention on cultural heritage objects 5. Report preparation.
Recommended or required Reading	- AAVV, .(2001). <i>As rochas dos monumentos portugueses. Tipologias e patologias</i> . (Vol. 1/2). Lisboa: IPPAR - RIVERS, S. e UMNEY, N. (2007). <i>Conservation of Furniture</i> . London: Routledge - Stoner, J. e Rushfield, R. (2012). <i>Conservation of Easel Paintings</i> . London: Routledge - AAVV, .(2014). <i>Historical Perspectives in the Conservation of Works of Art on Paper</i> . Los Angeles: Ed. Margaret Holben Ellis, The Getty Conservation Institute
Planned learning activities and teaching methods	Lectures and seminars with invited experts and field trips. Laboratory lessons focused on the development of conservation and restoration projects.
Assessment Methods and criteria	Assessment comprises two elements: 1. written assignment about a C&R intervention on an heritage item presented and assessed by an academic panel (20%). 2. Laboratory work and final report (80%) to be submitted in any period of assessment. Minimum pass mark in each element of assessment is 10 out of 20.
Language of Instruction	Portuguese
Work placement(s)	Not applicable.

B - Description of individual course units

Course unit title	Architectural Heritage
Course unit code	338045
Type of course unit	Compulsory
Level of Course unit	Second Cycle
Year of Study	First Year
Semester/Trimester when the course unit is delivered	First Semester
Number of ECTS credits allocated	4
Name of Lecturer(s)	Fernando Sanchez Salvador
Learning outcomes of the course unit	Synthesis of basic concepts required to interpret and act on architectural heritage. Research, survey and assessment of historic buildings. Monuments, artworks, memory and their cultural, institutional and legal context.
Mode of delivery	Face-to-face
Prerequisites and co-requisites	Not applicable.
Recommended optional programme components	Not applicable.
Course contentes	Fundamentals of built heritage. Mobile and fixed assets, material and immaterial assets. The evolution of concepts such as built heritage, terminology used in the analysis, study and intervention on existing built structures. Architectural heritage types and models. Criteria and methodologies for the conservation of built heritage. Survey project, inspection and diagnosis prior to CR intervention
Recommended or required Reading	- A.A.V.V, A.(1977). <i>MASTER DE RESTAURACION Y RAHABILITACION DEL PATRIMONIO</i> , VOLS 1-2-3. Madrid: Editorial, Munilla-Lèria - A.A.V.V, A.(1999). <i>CAMINHOS DO PATRIMÓNIO 1929-1999</i> . Lisboa: DGEMN e Livros Horizonte - Aguiar, J.(2003). <i>COR E CIDADE HISTÓRICA. ESTUDOS CROMÁTICOS E CONSERVAÇÃO DO PATRIMÓNIO</i> . Porto: Edições FAUP - APPLETON, J.(2003). <i>REABILITAÇÃO DE EDIFÍCIOS ANTIGOS PATOLOGIAS E TECNOLOGIAS DE INTERVENÇÃO</i> . Amadora: Edições Orion
Planned learning activities and teaching methods	Expository lectures, theoretical-practical lessons including exercises and coursework, presentation and discussion, tutorials and problem-solving.
Assessment Methods and criteria	Continuous Assessment: Class attendance: theoretical-practical classes with mandatory attendance, excluding those who miss more than 1/3 of the classes. Assessment has two components: theoretical (T) and theoretical-practical (T / P) This, with a weight of 70% towards the final mark, is carried out through a number of works carried out in class. The theoretical component (T), with a weight of 30%, can be carried out as part of continuous or summative assessment. Those who have a mark lower than 9.5 in the T/P component are excluded and those with an average of the two components equal to or greater than 9.5 are exempt from examination. The assignments are prepared and submitted during the respective academic year, and do not carry over to the next year
Language of Instruction	Portuguese Mentoring in English
Work placement(s)	Not applicable.

B - Description of individual course units

Course unit title	Art Theory and Criticism
Course unit code	338043
Type of course unit	Compulsory
Level of Course unit	Second Cycle
Year of Study	First Year
Semester/Trimester when the course unit is delivered	First Semester
Number of ECTS credits allocated	5.5
Name of Lecturer(s)	Maria Teresa Ribeiro Pereira Desterro
Learning outcomes of the course unit	Understand the artistic problematics in order to be able to dialogue with the works of art from a formal and conceptual point of view. Acquire skills to read and interpret artistic achievements in the light of contemporary concepts and theories. Develop analytical and critical spirit.
Mode of delivery	Face-to-face
Prerequisites and co-requisites	Not applicable
Recommended optional programme components	Not applicable
Course contents	Problematisation around the approach to the work of Art 1. Aesthetics, History of Art, Theories of Art and Art Criticism 2. Reflections on the History of Art and its methodology 3. Art History and the revaluation of artistic heritage II- Artistic Theories and Art Criticism 1. Evolution of Artistic Theories from Antiquity to Contemporary Art 2. Art Criticism: origins, limits and functions
Recommended or required Reading	<ul style="list-style-type: none"> - ARGAN, G.(1988). <i>Arte e Crítica de Arte</i>. Lisboa: Estampa - ESQUÍVEL, P.(2007). <i>Teoria e Crítica de Arte em Portugal</i>. Lisboa: Colibri - OSBORNE, R. e STURGIS, D. e TURNER, N. (2006). <i>Art Theory for beginners</i>. London: ZP - RODRIGUES, A. e MOREIRA, R. (2012). <i>Tratados de Arte em Portugal</i>. Lisboa: Scribe
Planned learning activities and teaching methods	Theoretical and theoretical-practical classes based on the analysis of works of art and interpretation of texts fostering reflection and constructive debate. Tutorial support.
Assessment Methods and criteria	* interest, commitment and ability to deliver innovative work proposals (10%) * attendance, critical self-reflection skills, intervention and discussion of the topics covered in classes (10%) * research work written and presented orally (80%)
Language of Instruction	Portuguese
Work placement(s)	Not applicable

B - Description of individual course units

Course unit title	Cultural Heritage Law
Course unit code	338044
Type of course unit	Compulsory
Level of Course unit	Second Cycle
Year of Study	First Year
Semester/Trimester when the course unit is delivered	First Semester
Number of ECTS credits allocated	4
Name of Lecturer(s)	Fernando Augusto Desterro Oudinot Larcher Nunes Miguel de Barros Serra Cabral de Moncada
Learning outcomes of the course unit	Course content is designed for students with no legal background. It includes the fundamentals of the Portuguese legal system and specific aspects that are relevant to the conservator-restorer profession.
Mode of delivery	Face-to-face
Prerequisites and co-requisites	Not applicable
Recommended optional programme components	Not applicable
Course contentes	I.Preliminary notions II.General development of the concept of heritage law III.An overview of the evolution of the Portuguese legal Framework IV.Public administration with jurisdiction over cultural heritage: central; regional; local V.Major lines of the present Portuguese legal Framework for cultural heritage VI.The patronage system VII.The issue of the professional status of conservators
Recommended or required Reading	- CABRAL, C.(2011). <i>Património cultural imaterial. Convenção da UNESCO e seus contextos</i> . Lisboa: Edições 70 - LOPES, F.(2012). <i>Património arquitectónico e arqueológico - Noção e normas de protecção</i> . Lisboa: Caleidoscópio - NABAIS, J. e SILVA, S. (2006). <i>Direito do Património Cultural.Legislação</i> . Coimbra: Almedina - NABAIS, J.(2010). <i>Introdução ao Direito do Património Cultural</i> . Coimbra: Almedina
Planned learning activities and teaching methods	Lectures are combined with theoretical-practical classes and comprise legislation analysis and resolution of practical exercises.
Assessment Methods and criteria	Assessment includes: a) one mid-term test with minimum pass mark of 10/20; b) a final exam for students who failed the test with minimum pass mark of 10/20.
Language of Instruction	Portuguese
Work placement(s)	Not applicable

B - Description of individual course units

Course unit title	Current Conservation Issues
Course unit code	338046
Type of course unit	Compulsory
Level of Course unit	Second Cycle
Year of Study	First Year
Semester/Trimester when the course unit is delivered	First Semester
Number of ECTS credits allocated	3
Name of Lecturer(s)	Carla Maria P. Calado Rodrigues do Rego Fernando dos Santos Antunes Fernando Manuel Conceição Costa Fernando Sanchez Salvador Ricardo Pereira Triães Luís Filipe Raposo Pereira António João de Carvalho da Cruz
Learning outcomes of the course unit	a) Understand the complex relationships between conservators and society b) Understand the relationship between the C&R and the other areas of knowledge c) Recognise C&R as an evolving area f) Recognise the importance of research in C&R
Mode of delivery	Face-to-face
Prerequisites and co-requisites	Not applicable
Recommended optional programme components	Not applicable
Course contents	Seminars by faculty members and guest speakers on current C&R aspects: the public image of C&R, the relationship of the owners of the works and the market, academic context and work environment, C&R of ephemeral art, integrated heritage issues, etc.
Recommended or required Reading	- Williams, E.(2014). <i>The Public Face of Conservation</i> . London: Archetype Publications - Vadi, V. e Schneider, H. (2014). <i>Art, Cultural Heritage and the Market. Ethical and Legal Issues</i> . Berlin: Springer - Richmond, A. e Bracker, A. (2009). <i>Conservation. Principles, Dilemmas and Uncomfortable Truths</i> . Oxford: Butterworth-Heinemann - Schädler-Saub, U. e Weyer, A. (2010). <i>Theory and Practice in the Conservation of Modern and Contemporary Art: Reflections on the Roots and the Perspectives</i> . London: Archetype Publications
Planned learning activities and teaching methods	Seminars focusing on the presentation of current CR topics followed by discussion with the student audience.
Assessment Methods and criteria	Compulsory face-to-face sessions. Assessment includes a written assignment on one of the taught topics, its oral presentation and discussion.
Language of Instruction	Portuguese
Work placement(s)	Not applicable

B - Description of individual course units

Course unit title	Research Methodology
Course unit code	338042
Type of course unit	Compulsory
Level of Course unit	Second Cycle
Year of Study	First Year
Semester/Trimester when the course unit is delivered	First Semester
Number of ECTS credits allocated	5.5
Name of Lecturer(s)	António João de Carvalho da Cruz
Learning outcomes of the course unit	a) Be familiar with scientific and technical literature b) Be able to perform literature searches c) Be able to organise articles, reports and dissertations d) Be able to use appropriate written language e) Be able to use the software available for the preparation of these documents
Mode of delivery	Face-to-face
Prerequisites and co-requisites	Not applicable
Recommended optional programme components	Not applicable
Course contents	1. Research in Conservation and Restoration 2. literature search 3. Scientific and technical writing with focus on articles, training reports and dissertations 4. Preparation of documents in digital format, especially training reports and dissertations
Recommended or required Reading	<ul style="list-style-type: none"> - Azevedo, M.(2011). <i>Teses, Relatórios e Trabalhos Escolares. Sugestões para a Estruturação da Escrita</i>. Lisboa: Universidade Católica Editora - Poupá, C. e Pereira, A. (2018). <i>Como Escrever uma Tese, Monografia ou Livro Científico Usando o Word</i>. Lisboa: Sílabo - Turabian, K.(2018). <i>A Manual for Writers of Research Papers, Theses, and Dissertations</i>. Chicago: The University of Chicago Press - Estrela, E. e Soares, M. e Leitão, M. (2015). <i>Saber Escrever uma Tese e Outros Textos</i>. Lisboa: Dom Quixote
Planned learning activities and teaching methods	The lectures are of an expository nature using Powerpoint presentations that are previously distributed to students. In theoretical-practical lessons some common problems are discussed and exercises are performed by the students.
Assessment Methods and criteria	Theoretical-practical lessons are mandatory. Assessment includes a TP component (questions with written answers in TP classes and literature search)(50 %) and a review article (with a minimum of 9/20), on a subject of choice, to be submitted as part of continuous assessment or exam assessment (50 %).
Language of Instruction	Portuguese
Work placement(s)	Not applicable

B - Description of individual course units

Course unit title	Art Expertise and Evaluation
Course unit code	3380411
Type of course unit	Compulsory
Level of Course unit	Second Cycle
Year of Study	First Year
Semester/Trimester when the course unit is delivered	Second Semester
Number of ECTS credits allocated	4
Name of Lecturer(s)	Miguel de Barros Serra Cabral de Moncada
Learning outcomes of the course unit	Students should be able to understand and analyse the Art Market, know the theoretical and practical characteristics of the expertise and valuation of works of art and be able to collaborate in an expertise and valuation of works of art on topics related to their master's dissertations.
Mode of delivery	Face-to-face
Prerequisites and co-requisites	Not applicable
Recommended optional programme components	Not applicable
Course contents	PART 1 - I - Introduction; II - Art Market; III - Expertise; IV - Valuation of works of art. PART 2 - Basic concepts of expertise and valuation in several artistic areas.
Recommended or required Reading	- BOLL, D.(2011). <i>Art for Sale - A Candid View of the Art Market</i> . Ostfildern: Hatje Cantz Verlag - AA. , D.(2004). <i>Marché de l'Art, l'Expert dans tous ses états - Actes du colloque</i> . Paris: Université Paris-Dauphine - MELO, A.(2012). <i>Sistema da Arte Contemporânea</i> . Lisboa: Documenta - MONCADA, M.(0). <i>Mercado de Arte</i> . Acedido em 20 de fevereiro de 2020 em -
Planned learning activities and teaching methods	The program contents of the discipline are presented to the students systematically and are accompanied by various written exercises, to which students will have to respond periodically.
Assessment Methods and criteria	The evaluation is done through the valuation of a written work with 10 to 15 pages of text, to be delivered during the exam periods. It's approved who has a minimum final ranking of ten (10) values.
Language of Instruction	Portuguese
Work placement(s)	Not applicable

B - Description of individual course units

Course unit title	Advanced Examination and Analysis Methods
Course unit code	338048
Type of course unit	Compulsory
Level of Course unit	Second Cycle
Year of Study	First Year
Semester/Trimester when the course unit is delivered	Second Semester
Number of ECTS credits allocated	5.5
Name of Lecturer(s)	António João de Carvalho da Cruz
Learning outcomes of the course unit	a) To know the possibilities of laboratory studies b) To use the basic literature on the material study of cultural objects c) To use the methods of examination and analysis for the study of cultural objects d) To choose the most appropriate analytical strategy to solve C&R problems
Mode of delivery	Face-to-face
Prerequisites and co-requisites	Not applicable
Recommended optional programme components	Not applicable
Course contentes	1. The scientific study of the Cultural Heritage and its possibilities 2. Sampling 3. Composition 4. Techniques 5. Dating 6. Authorship 7. Provenance 9. State of conservation 11. Material testing and evaluation of conservation and restoration treatments 10. Alteration mechanisms
Recommended or required Reading	<ul style="list-style-type: none"> - Stuart, B.(2007). <i>Analytical Techniques in Materials Conservation</i>. Chichester: John Wiley & Sons - Artioli, G.(2010). <i>Scientific Methods and Cultural Heritage. An Introduction to the Application of Materials Science to Archaeometry and Conservation Science</i>. Oxford: Oxford University Press - Craddock, P.(2009). <i>Scientific Investigation of Copies, Fakes and Forgeries</i>. Oxford: Butterworth-Heinemann - Doménech Carbó, M.(2018). <i>Análisis Químico y Examen Científico de Patrimonio Cultural</i>. Madrid: Editorial Síntesis - Malainey, M.(2011). <i>A Consumer's Guide to Archaeological Science</i>. New York: Springer - Pinna, D. e Galeotti, M. e Mazzeo, R. (2009). <i>Scientific Examination for the Investigation of Paintings. A Handbook for Conservator-restorers</i>. Firenze: Centro Di - Henderson, J.(2000). <i>The Science and Archaeology of Materials. An investigation of inorganic materials</i>. London - New York: Routledge
Planned learning activities and teaching methods	Conventional lectures and teoretical-practical classes including the analysis of experimental results and literature review.
Assessment Methods and criteria	Theoretical-practical classes are compulsory and those who exceed the number of absences allowed by the academic rules will be excluded from continuous assessment. Continuous assessment includes written assignments throughout the semester or a final written assignment delivered during the examination periods. Those with an average mark equal to or higher than 10/20 will be exempt from exams. The work to be delivered at exam time is a study based on the student's own results (obtained in another course) or provided by the teacher. Alternatively, it can consist of a critical assessment of the analytical part of a publicly available internship report or a dissertation.
Language of Instruction	Portuguese
Work placement(s)	Not applicable

B - Description of individual course units

Course unit title	Entrepreneurship and Corporate Strategy
Course unit code	338049
Type of course unit	Compulsory
Level of Course unit	Second Cycle
Year of Study	First Year
Semester/Trimester when the course unit is delivered	Second Semester
Number of ECTS credits allocated	4
Name of Lecturer(s)	Ricardo Pereira Triães António Anacleto Viegas Ferreira
Learning outcomes of the course unit	Fundamentals of strategic management process; Understand the relevance of entrepreneurship as a value creation process; Learn how to prepare a business plan; Learn project execution and planning techniques.
Mode of delivery	Face-to-face
Prerequisites and co-requisites	Not applicable
Recommended optional programme componentes	Not applicable
Course contentes	I.CORPORATE STRATEGY 1 - Strategy 2 - Analysis, formulation, and implementation II.ENTREPRENEURSHIP 1 - Introduction to entrepreneurship 2 - The entrepreneur 3 - The innovation process and opportunity identification 4 - Business plan III.BUSINESS IN THE AREA OF CONSERVATION AND RESTORATION 1 - Companies 2 - C&R Laboratories 3 - Projects 4- Analysis of C&R interventions
Recommended or required Reading	- Silva, E. e Monteiro, F. (2013). <i>Empreendedorismo e plano de negócios</i> . sl: Vida económica - Ferreira, M. e Santos, J. e Serra, F. (2010). <i>Ser Empreendedor; Pensar, Criar e Moldar a Nova Empresa</i> . sl: Sílabo - Mintzberg, H. e Quinn, J. e Ghoshal, S. e Lampel, J. (2014). <i>The Strategy Process; Concepts, Contexts, Cases</i> . sl: Pearson Education - Osterwalder, A. e Pigneur, Y. (2011). <i>Criar Modelos de Negócios</i> . sl: D. Quixote
Planned learning activities and teaching methods	Teaching methods include presentation of theoretical concepts using visual resources and other media. Theoretical-practical classes focus on case study analysis and proposal of assignments that will allow the students to apply the concepts learned.
Assessment Methods and criteria	Continuous assessment: a written assignment and its presentation performed in group or individually involving the development of a Business Plan. The written assignment must be delivered in paper and digital format, up to 30 A4 pages, font Times size 12, line spacing 1.5. (until 6 June). The students who fail to submit the assignment within the continuous assessment period will be eligible to take the exam. A minimum mark of 10/20 is required to pass.
Language of Instruction	Portuguese
Work placement(s)	Not applicable

B - Description of individual course units

Course unit title	Integrated Risk Management
Course unit code	338047
Type of course unit	Compulsory
Level of Course unit	Second Cycle
Year of Study	First Year
Semester/Trimester when the course unit is delivered	Second Semester
Number of ECTS credits allocated	5.5
Name of Lecturer(s)	Maria João Cassis Valadas Revez
Learning outcomes of the course unit	To familiarize students with the key concepts, current applications and potential of using Risk Management as an analytic and decision-support tool in different C&R contexts.
Mode of delivery	Face-to-face
Prerequisites and co-requisites	Not applicable.
Recommended optional programme components	Not applicable.
Course contentes	Fundamental concepts of risk management 2. Risk management in collections 2.1. JRC: Waller, Michalski and the ABC method IMC: preventive conservation in Portugal 2.3 Emergencies: Cultural First Aid (ICCRUM) 3. Risk management in architectural heritage 3.1 Planned conservation 3.2 Risk maps 3.3 Emergencies: GRC (UNESCO)
Recommended or required Reading	<ul style="list-style-type: none"> - Borges de Sousa, C. e Carvalho, G. e Amaral, J. e Tissot, M. (2007). <i>Plano de Conservação Preventiva. Bases Orientadoras, Normas e Procedimentos</i>. Lisboa: Instituto dos Museus e da Conservação - Michalski, S. e Pedersoli Jr., J. (2016). <i>The ABC Method: A Risk Management Approach to the Preservation of Cultural Heritage</i>. Ontario: CCI/ICCROM - UNESCO-WHC, . e ICCROM, . e ICOMOS, . e IUCN, . (2010). <i>Managing Disaster Risks for World Heritage</i>. Paris: UNESCO - Waller, R.(1994). Conservation Risk Assessment: A Strategy for Managing Resources for Preventive Conservation. <i>Studies in Conservation</i>, 39, pp. 12-16.
Planned learning activities and teaching methods	Conventional lectures followed by theoretical-practical classes focusing on debate and case study analysis.
Assessment Methods and criteria	Learning assessment relies on student's active engagement in class, including an oral presentation (25% of the final grade); and on an individually written risk management report (75% of the final grade), to be submitted during the exams period. Minimum pass mark: 10 out of 20.
Language of Instruction	Portuguese
Work placement(s)	Not applicable.

B - Description of individual course units

Course unit title	Philosophy of Conservation
Course unit code	3380410
Type of course unit	Compulsory
Level of Course unit	Second Cycle
Year of Study	First Year
Semester/Trimester when the course unit is delivered	Second Semester
Number of ECTS credits allocated	4
Name of Lecturer(s)	Maria João Cassis Valadas Revez
Learning outcomes of the course unit	Provide the students with theoretical and methodological bases enabling them to: - critically approach conservation objects and establish well-grounded, consistent, and ethical intervention protocols; - Be familiar with the various actors involved in heritage decision making.
Mode of delivery	b-learning
Prerequisites and co-requisites	Not applicable.
Recommended optional programme components	Not applicable.
Course contents	1. Fundamental concepts of contemporary thinking in Conservation 2. Methodologies to support decision making and planning of conservation interventions 3. Current trends and concerns of Heritage Conservation Theory
Recommended or required Reading	<ul style="list-style-type: none"> - Appelbaum, B.(2007). <i>Conservation Treatment Methodology</i>. Oxford: Butterworth-Heinemann - Muñoz Viñas, S.(2005). <i>Contemporary Theory of Conservation</i>. Londres: Routledge - Riegl, A.(2013). <i>O Culto Moderno dos Monumentos e Outros Ensaios Estéticos</i>. Lisboa: Edições 70 - Russell, R. e Winkworth, K. (2009). <i>Significance 2.0: A guide to assessing the significance of collections</i>. Sydney: Collections Council of Australia - Australia ICOMOS, .(0). <i>The Burra Charter: The Australia ICOMOS Charter for Places of Cultural Significance (including Practice Notes)</i>.Acedido em 1 de fevereiro de 2019 em http://australia.icomos.org/wp-content/uploads/The-Burra-Charter-2013-Adopted-31.10.2013.pdf
Planned learning activities and teaching methods	T and TP classes describing and illustrating course content resorting to real-life cases and debates to promote content learning. Presentation of illustrative practical cases.
Assessment Methods and criteria	Assessment includes class participation (20% of the final grade); a written assignment (80% of the final grade) to be submitted during the exam periods (minimum pass grade 10/20), consisting of a statement of cultural significance for an object of the student's choice using a duly substantiated methodology.
Language of Instruction	Portuguese
Work placement(s)	Not applicable.

B - Description of individual course units

Course unit title	Dissertation
Course unit code	3380414
Type of course unit	Optional
Level of Course unit	Second Cycle
Year of Study	Second Year
Semester/Trimester when the course unit is delivered	Annual
Number of ECTS credits allocated	60
Name of Lecturer(s)	António João de Carvalho da Cruz
Learning outcomes of the course unit	Students should be able to use and to develop the knowledge and skills acquired in the graduation and the master courses to carry out an original research project work and to communicate the results.
Mode of delivery	Face-to-face
Prerequisites and co-requisites	Not applicable.
Recommended optional programme components	Not applicable.
Course contents	The contents vary according to the dissertation subject.
Recommended or required Reading	
Planned learning activities and teaching methods	The learning is essentially performed through autonomous work done by students under supervision.
Assessment Methods and criteria	The evaluation is performed through the dissertation and its public discussion.
Language of Instruction	Portuguese
Work placement(s)	Not applicable

B - Description of individual course units

Course unit title	Internship
Course unit code	3380413
Type of course unit	Optional
Level of Course unit	Second Cycle
Year of Study	Second Year
Semester/Trimester when the course unit is delivered	Annual
Number of ECTS credits allocated	60
Name of Lecturer(s)	António João de Carvalho da Cruz
Learning outcomes of the course unit	Students should be able to use and to develop the knowledge and skills acquired in the graduation and the master courses to carry out a conservation work in a real context and to communicate the results.
Mode of delivery	Face-to-face
Prerequisites and co-requisites	Not applicable.
Recommended optional programme components	Not applicable.
Course contents	The contents vary according to the subject or the internship location.
Recommended or required Reading	
Planned learning activities and teaching methods	The learning is essentially performed through autonomous work done by students under supervision.
Assessment Methods and criteria	The evaluation is performed through the written internship report and its public discussion.
Language of Instruction	Portuguese
Work placement(s)	Internship carried out at IPT or at a host company or institution.

