



Study Plan

School: School of Arts
Degree: Master
Course: Design (cód. 498)

Specialization Design Management, Ecodesign and Sustainability Design

1st Year - 1st Semester

Specialization Design Management, Ecodesign and Sustainability Design

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
VIS11071M	Design Management, Ecodesign and Sustainability Design I	Design	9	Semester	234
VIS11072M	Themes of Contemporary Culture in Design	Design	5	Semester	130
VIS11073M	Research Methodologies	Visual Arts	5	Semester	130
VIS11074M	Research Seminar - Design I	Design	5	Semester	130
Group of Free Options					

1st Year - 2nd Semester

Specialization Design Management, Ecodesign and Sustainability Design

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
VIS11075M	Design Management, Ecodesign and Sustainability Design II	Design	9	Semester	234
VIS11076M	Interior Design	Design	5	Semester	130
SOC11077M	Sociology of Innovation	Sociology	5	Semester	130
VIS11078M	Research Seminar - Design II	Design	5	Semester	130
Group of Free Options					

2nd Year - 1st Semester

Specialization Design Management, Ecodesign and Sustainability Design

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
	Dissertation				
	Report				
	Project Work				

2nd Year - 2nd Semester

Specialization Design Management, Ecodesign and Sustainability Design

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
	Dissertation				
	Project Work				
	Report				

Specialization Industrial Design Project



1st Year - 1st Semester
Specialization Industrial Design Project

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
VIS11079M	Industrial Design Project I	Design	9	Semester	234
VIS11072M	Themes of Contemporary Culture in Design	Design	5	Semester	130
VIS11073M	Research Methodologies	Visual Arts	5	Semester	130
VIS11074M	Research Seminar - Design I	Design	5	Semester	130
Group of Free Options					

1st Year - 2nd Semester
Specialization Industrial Design Project

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
VIS11080M	Industrial Design Project II	Design	9	Semester	234
VIS11076M	Interior Design	Design	5	Semester	130
SOC11077M	Sociology of Innovation	Sociology	5	Semester	130
VIS11078M	Research Seminar - Design II	Design	5	Semester	130
Group of Free Options					

2nd Year - 1st Semester
Specialization Industrial Design Project

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
	Dissertation				
	Project Work				
	Report				

2nd Year - 2nd Semester
Specialization Industrial Design Project

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
	Dissertation				
	Project Work				
	Report				

Specialization Communication Design Project

1st Year - 1st Semester
Specialization Communication Design Project

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
VIS11081M	Communication Design Project I	Design	9	Semester	234
VIS11072M	Themes of Contemporary Culture in Design	Design	5	Semester	130
VIS11073M	Research Methodologies	Visual Arts	5	Semester	130
VIS11074M	Research Seminar - Design I	Design	5	Semester	130



1st Year - 1st Semester
Specialization Communication Design Project

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
Group of Free Options					

1st Year - 2nd Semester
Specialization Communication Design Project

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
VIS11082M	Communication Design Project II	Design	9	Semester	234
VIS11076M	Interior Design	Design	5	Semester	130
SOC11077M	Sociology of Innovation	Sociology	5	Semester	130
VIS11078M	Research Seminar - Design II	Design	5	Semester	130
Group of Free Options					

2nd Year - 1st Semester
Specialization Communication Design Project

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
	Dissertation				
	Project Work				
	Report				

2nd Year - 2nd Semester
Specialization Communication Design Project

Component code	Name	Scientific Area Field	ECTS	Duration	Hours
	Dissertation				
	Project Work				
	Report				

Conditions for obtaining the Degree:

*** TRANSLATE ME: Para aprovação na componente curricular é necessário a aprovação (através de avaliação ou creditação) das seguintes unidades curriculares: {\ }newline

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1º Semestre: {\ }newline

4 UC obrigatórias num total de 24 Ects {\ }newline

UC optativas num total de 6 ECTS (Pode ser optativa Livre) {\ }newline

{\ }newline

2º Semestre: {\ }newline

4 UC obrigatórias num total de 24 Ects {\ }newline

UC optativas num total de 6 ECTS (Pode ser optativa Livre) {\ }newline

{\ }newline

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Para obtenção do grau, é necessário também a aprovação na Dissertação/Trabalho de Projeto/Relatório de Estágio, com um total de 60 ECTS, no 3.º e 4.º Semestre. ***

Program Contents



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Design Management, Ecodesign and Sustainability Design I (VIS11071M)

The syllabus of the course is aimed at developing design skills in the areas of Design Management and Ecological Design, considering the themes of each student's research interest, considering the following contents:

1. Design Management: Methods and assumptions applied to ecological design
 - 1.1. Definition and framework of the concepts of Ecodesign and Design for Sustainability
 - 1.2. Identification and analysis of oriented business management strategies for the successful implementation of the concepts
 - 1.3. Comparative analysis of Case Studies
2. Application of the method of theoretical and practical research in Design: Phase I
 - 2.1. Specify the design theme
 - 2.2. Specify the design problem
 - 2.3. Investigate the practical problem of universe
 - 2.4. Set solution hypotheses
 - 2.5. Pre oriented design for the solution
3. Models of communication and reasoning of intermediate results.

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Themes of Contemporary Culture in Design (VIS11072M)

1. Definition of Phenomenon and Trend concepts applied to Design.
2. Brief presentation of the main Design phenomenon and trends over the historical evolution of Culture of Design.
3. Emerging culture in Design combined with the listed sub-themes:
Design and network society; Design and identity; Design and multiculturalism;
Design and sustainability.
 - 3.1. Critical presentation and analysis of new phenomena and trends through:
 - a) Product Design;
 - b) Service Design;
 - c) Design of Products and Services Systems.



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Research Methodologies (VIS11073M)

1. Creativity, exercise and production in research.
 - 1.1. Paradigms of research;
 - 1.2. Research and planning;
 - 1.2.1. Strategies of search:
 - 1.2.1.1. Select theme - font selection;
 - 1.2.2. Bibliographical and documentary archives and libraries;
 - 1.2.3. Qualitative and quantitative methods;
 - 1.2.4. Multiplicity of media in research;
 - 1.2.5. Techniques of synthesis and analysis databases: thematic and citation; critical reviews, standards and criteria for citation; primary and secondary bibliography, citations of URLs
 - 1.2.6. Current research through technological means.
 2. Presentation of research results.

Organization of speech - summary, review, dissertation.

Types of thesis;

Formal aspects: graphic criteria and drafting;

introduction;

Development;

Quotes;

Footnotes;

conclusion;

Annexes and Appendices;

Indexes;

Bibliography.

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Research Seminar - Design I (VIS11074M)

The contents of the course are geared to the development of research skills in design through the use of scientific methods and design, according to the following contents:

1. Scientific Method vs Design Method
 - 1.1. Definition and framework of concepts, methods and tools
 - 1.2. Assumptions to consider a theoretical and practical research process
 - 1.3. Analysis and discussion of articles
 - 1.4. Analysis and Case Studies thread
2. Application of knowledge to individual areas of interest of students
 - 2.1. Articles Writing on the basis of methods studied
 - 2.3. Exploration of communication skills: written, oral and visual
3. Seminars of visiting researchers



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Design Management, Ecodesign and Sustainability Design II (VIS11075M)

The syllabus of the course are oriented design skills deepening in the fields of Design Management, Ecodesign and Design for Sustainability, considering the issues of each student's research interest, giving continuity to the work initiated in Design Management, Ecodesign and Design for Sustainability I, according to the following contents:

1. Application of the method of theoretical and practical research in Design: Phase II
 - 2.1. Project development
 - 2.2. Realization of models, models and / or prototypes
 - 2.3. Testing and validation of solutions
 - 2.4. Project tuning in order to goals
 - 2.5. Alignment in solution validation with the problem
2. Application of model of communication and reasoning of final results

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Interior Design (VIS11076M)

1. Space
 - 1.1. Spatial organization of interiors:
 - 1.1.1. Typologies.
 - 1.1.2. Components.
 - 1.2. Light:
 - 1.2.1. Concepts and natural light techniques.
 - 1.2.2. Concepts and applications of artificial light.
 - 1.3. The color:
 - 1.3.1. Influence of color on the perception of space.
 - 1.3.2. Trends and combinations.
 - 1.4. Equipment and materials:
 - 1.4.1. Functional importance, cognitive and aesthetic.
 - 1.4.2. Characteristics of contemporary environments.
2. The representation
 - 2.1. Proportion and scale.
 - 2.2. Humanization Floor Plans.
 - 2.3. Ergonomics.
 - 2.4. Sustainability.
 - 2.5. Studies Layout
3. The project
 - 3.1. Method.
 - 3.2. Steps.
 - 3.3. Overall coordination.
 - 3.4. Management.
 - 3.5. Basic legal framework.
 - 3.6. Specialties of the projects.
 - 3.7. Costs and budgeting.
 - 3.8. Planning work and technical assistance.
 - 3.9. Care and maintenance.
 - 3.10. Fee calculation.



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Sociology of Innovation (SOC11077M)

1. The Sociology of Innovation : Emergency and theoretical assumptions
2. Innovation: a multifaceted and interdisciplinary concept
3. Socio-organizational change and innovation
4. Types of innovation
 - 4.1. Technological innovation
 - 4.2. Organizational innovation
 - 4.3. Social innovation
5. Innovation and competitiveness
6. Social construction of innovation
7. Dynamics of Learning and Innovation
8. The role of network in innovation production
9. The specificities of the Portuguese case in innovation
10. Case studies analysis.

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Research Seminar - Design II (VIS11078M)

The contents of the course are geared to the development of research skills in design, focusing on the theoretical elaboration of individual proposals dissertation, project work or internship:

1. Structure and assumptions of the research proposal
 - 1.1 Abstract
 - 1.2 Keywords
 - 1.3 Interim Index
 - 1.4 Title and subtitle
 - 1.5 Issue of research
 - 1.6 General and specific objectives
 - 1.7 General methodology
 - 1.8 Interim Index
 - 1.9 State of the art
 - 1:10 Hypothesis: rationale, specific methodology and organization chart
 - 1:11 Benefits from research
 - 1:12 critical factors of success / failure
 - 1:13 Dissemination
 - 1:14 Estimated timing
 - 1:15 References
 - 1:16 Glossary
 - 1:17 Attachments
2. Seminars of visiting researchers
3. Development of individual research proposals.

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Industrial Design Project I (VIS11079M)

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Industrial Design Project II (VIS11080M)



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Communication Design Project I (VIS11081M)

The syllabus of the course is aimed at developing design skills in the area of Communication Design, considering the issues of each student's research interest, with the cross matrix the following contents:

1. Innovation by Design: Exploring methods and assumptions
 - 1.1. Definition of the frame of innovation concepts and methods applied to Communication Design
 - 1.2. Identification and analysis strategies that are aimed successful innovation
 - 1.3. Comparative analysis of Case Studies
2. Application of theoretical and practical research in Design methods: Phase I
 - 2.1. Specify the design theme
 - 2.2. Specify the design problem
 - 2.3. Investigate the practical problem universe
 - 2.4. Set solution hypotheses
 - 2.5. Pre oriented design for the solution
3. Models of communication and reasoning of intermediate results

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Communication Design Project II (VIS11082M)

The syllabus of the course are oriented design skills deepening in the field of Communication Design, considering the issues of each student's research interest, giving continuity to the work initiated in Communication Design Project I, according to the following contents:

1. Application of the method of theoretical and practical research in Design: Phase II
 - 2.1. Project development
 - 2.2. Realization of models, models and / or prototypes
 - 2.3. Testing and validation of solutions
 - 2.4. Project tuning in order to goals
 - 2.5. Alignment in solution validation with the problem
2. Application of model of communication and reasoning of final results