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| Course Unit | Design Research | | Field of study | Design | |
| Bachelor in | Art and Design - Minor in Design | | School | School of Education | |
| Academic Year | 2023/2024 | Year of study | 3 | Level | 1-3 |
| Type | Semestral | Semester | 1 | ECTS credits | 5.0 |
| | | Code | | 9898-662-3102-00-23 | |
| Workload (hours) | 135 | Contact hours | T - | TP 18 | PL 20 |
| | | TC - | | S - | E - |
| | | OT 16 | | O - | |

T - Lectures; TP - Lectures and problem-solving; PL - Problem-solving, project or laboratory; TC - Fieldwork; S - Seminar; E - Placement; OT - Tutorial; O - Other

Name(s) of lecturer(s) Jacinta Helena Alves Lourenço Casimiro da Costa

Learning outcomes and competences

At the end of the course unit the learner is expected to be able to:

1. Understand different research models and methodological proposals in the field of Design;
2. It dominates the capacity of problematization, exploration, data collection and analysis;
3. Investigates guided by the work of analysis and critical reflection of the conclusions;
4. Master skills of presentation of design conclusions.

Prerequisites

Before the course unit the learner is expected to be able to:
No prerequisite required.

Course contents

1. Research; 2. Quantitative and qualitative research; 3. Research methodology; 4. Structure and writing of the research work; 5. Design research project

Course contents (extended version)

1. RESEARCH
 - Problem identification; Exploration; Formulation of hypotheses; Measuring scales;
 - Research assumptions; Investigation report; Method; Evaluation.
2. QUANTITATIVE AND QUALITATIVE RESEARCH
3. RESEARCH METHODOLOGY
 - Problem definition; Literature review; Planning the resolution process;
 - Work plan/schedule. Data collection methods; collect
 - Organization and presentation of data; Analysis and interpretation of data.
4. ESTRUTURA TEÓRICA DO TRABALHO DE INVESTIGAÇÃO:
 - Scientific writing standards
5. DESIGN RESEARCH PROJECT
 - Practices for the presentation of research projects.

Recommended reading

1. AMBROSE, Gavin; HARRIS, Paul (2009) Design Thinking, AVA Publishing SA;
2. CROUCH, Christopher (2012) Doing Research in design. Berg Publishers. London;
3. LUPTON, Ellen (2011) Graphic Design Thinking: Beyond Brainstorming, Princeton Architectural Press;
4. MURATOVSKI, Gjoko (2015) Research for Designers. Sage Publications. London;
5. NOBLE, Ian; RUSSEL Bestley (2005) Visual Research: An introduction to research methodologies in graphic design, AVA Publishing SA.

Teaching and learning methods

- 1 - Exposure of theoretical contents; 2 - Launch of proposals of theoretical, individual and / or group work; 3 - Follow up and criticism on the development of the works; 4 - Analysis and public discussion on the final result of the theoretical papers presented;

Assessment methods

1. CONTINUOUS EVALUATION - (Regular, Student Worker) (Final)
 - Practical Work - 80%
 - Work Discussion - 20%
2. EXAM EVALUATION - (Regular, Student Worker) (Supplementary, Special)
 - Final Written Exam - 40%
 - Practical Work - 60% (Nº. 4 art. 7 of the Freq. and Eval. Regulations. Classification obtained in continuous evaluation.)

Language of instruction

Portuguese, with additional English support for foreign students.

Electronic validation

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|---|----------------------------------|------------------------------|------------------------------|
| Jacinta Helena Alves Lourenço Casimiro da Costa | Helena Maria Lopes Pires Genésio | António José Santos Meireles | Carlos Manuel Costa Teixeira |
| 19-02-2024 | 20-02-2024 | 21-02-2024 | 25-02-2024 |