

## FUC - Ficha de Unidade Curricular

### Curricular Unit's File

<b>Code</b>	L5245
<b>Name (PT)</b>	Competências Académicas II
<b>Name (EN)</b>	Academic Competencies II
<b>Regime</b>	Semestral
<b>Level</b>	1.º Ciclo
<b>Teaching language</b>	Português , Inglês
<b>School</b>	Escola de Ciências Sociais e Humanas (ECSH)
<b>Departament</b>	DPSO
<b>Scientific area</b>	Psicologia (Psi)
<b>Responsible academic staff</b>	Patrícia Paula Lourenço Arriaga Ferreira
<b>Pre-requisites</b>	The students of this CU are supposed to have a minimum level of competence in the English language, as it includes guests that will teach in English; besides, it can be taught in English if there will be foreigner students attending the classes.
<b>Objectives</b>	This course aims to provide students with information and conceptual training in the techniques, methods, and ethics of the design, implementation, and dissemination of research in psychology. This course has a large practical component, in which students will have the opportunity to take part in all phases of research, from conception to dissemination.
<b>Learning outcomes</b>	By the end of the semester, students should have developed knowledge, skills and conceptual understanding of the techniques, methods, and ethics of psychology research design, implementation and dissemination. Students who successfully complete the course will be able to: LG1. Conceptualize and theoretically locate a research question. LG2. Develop a research plan appropriate for the research question. LG3. Select or adapt instruments and paradigms of investigation appropriate for the research question. LG4. Select and manage the correct participants for the study. LG5. Analyze and interpret empirical data collected addressing the problem under study. LG6. Understand and use the main formats for dissemination of research results.
<b>Syllabus</b>	Syllabus (S): S1. Defining and conceptualizing the problem under study: S1.1. Identification and definition of the research problem. S1.2. Theoretical research about the principle constructs. S1.3. Identification and definition of working hypotheses. S2. Ethics in research: appropriate treatment of human subjects. S3. Definition of plan of study and operationalization of variables: S3.1. Selection of study plan and assessment of research quality. S3.2. Questions of translation, instrument adaptation and conceptualization of new materials. S4. Logistic preparation of the research study: S4.1. Management of participants. S4.2. Logistic organization. S4.3. Monitoring and implementation of data collection. S5. Analyses of quantitative and/or qualitative data. S6. Dissemination of research results: S6.1. Poster presentation. S6.2. Writing a scientific article.
<b>Assessment</b>	Two regimes: continuous and periodic. A) Continuous: 1. Writing the article on the research work (method, results, discussion) (40%) 3. Practical Laboratories (10%): Participation in the research process 4. Oral presentation (10%) 5. Test (40%) B) Periodic: 1. Writing a scientific article (50%) 2. Exam (50%) Passing grade: Minimum of 8.5 on all assignments (Minimum of overall average grade: 9.5).
<b>Teaching methodology</b>	1. Theoretical-practical lessons: Explanation, reflection and application of the research content; data analysis through lectures and participatory methodologies. 2. Practical laboratories: Monitoring the process of research (design, implementation, and dissemination). 3. Tutorial: monitoring and answering questions. 4. Self-study: Students must study and work independently and cooperatively with their colleagues.

<b>Demonstration of the syllabus coherence with the curricular unit's objectives</b>	<p>This course aims to provide students with information and conceptual training in the techniques, methods, and ethics of research in psychology, in which students have the opportunity to develop a study and write a scientific article. The Learning Goals (LG) are achieved in the Syllabus (S). The related segments demonstrate this coherence:</p> <p>LG1 (Conceptualize and theoretically frame the problem under study): S1.          LG2 (Develop a research plan adequate to the problem under study): S2, S3, S4.          LG3 (Selection or adaptation of instruments and paradigms of investigation adequate for the research): S2, S3, S4.          LG4 (Proper selection and management of research participants): S2, S4.          LG5 (Analyses and interpretation of empirical data from the problem under study): S5.          LG6 (Understanding and adequate use of the main formats of dissemination of research results): S6.</p>
<b>Demonstration of the coherence between the teaching methodologies and the learning outcomes</b>	<p>To meet the specific Learning Goals (LG), we present the primary links with the teaching methods.</p> <p>1.Theoretical-practical lessons (18h): Apply theoretical information about research and data analysis through expositive lectures and participatory exercises: LG1, LG2, LG3, LG5, LG6.</p> <p>2.Practical laboratory lessons (18h): Involve monitoring and supporting the progress of the research work, with experiential (laboratory practice) and active (through writing and presentation of research) methodologies: This covers all LGs.</p> <p>3.Tutorials: Aim to clarify student's questions and may apply to program content in any LG.          If a student chooses the periodic evaluation regime, they must write a scientific paper based on the materials provided by the teachers. Teachers will provide: A definition of the research problem and two basic reference articles; the materials/instruments used in the research; the database of research results.</p> <p>4.Autonomous work (113h): Necessary across all of the LGs. This independent work will be monitored by the student. However, the program for the course includes recommendations and estimates of hours per LG, as well as the teaching methodologies and the forms of evaluation. The estimates are:</p> <p>4.1.Theoretical component (26h):          -Review material about the conceptualization of the research problem (4h).          -Review material about the definition of hypotheses (4h).          -Ethics and ethical research: review and complete the open online CITI program (4h).          -Review material about study design and assessment of research quality (4h).          -Prepare for the final evaluation (10h).</p> <p>4.2.Practical component (87h):          -Search and read literature (12h).          -Define a study plan and operationalize variables (11h).          -Monitor and implement data collection (11h).          -Write scientific work: theoretical introduction (12h); method (6h); analysis and writing of results (20h); Discussion (8h); Review for APA style (2h).          -Preparation of oral presentation in PowerPoint/Poster (5h).</p>
<b>Main Bibliography</b>	<p>Esta Unidade Curricular supõe um domínio mínimo da língua inglesa e poderá funcionar totalmente em inglês se houver alunos estrangeiros inscritos.</p>
<b>Complementary Bibliography</b>	<p>The students of this CU are supposed to have a minimum level of competence in the English language, as it can be taught in English if there will be foreigner students attending the classes.</p>