

<b>POLI</b> ESCOLA SUPERIOR SAÚDE <b>TÉCNICO</b> <b>GUARDA</b>	<b>SUBJECT DESCRIPTION</b>	<b>MODELO</b> PED.015.03
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Course	Nursing - 1st. Cycle					
Subject	Research in Nursing II					
Academic year	2023/2024	Curricular year	4th	Study period	1st semester	
Type of subject	Compulsory	Student workload (H)	Total: 94,5	Contact: 61	ECTS	3,5
Professor(s)	Ezequiel Martins Carrondo Filipe José Paulo Gomes Maria Manuela Caria Figueira de Sá Neves					
<input type="checkbox"/> Area/Group Coordinator <input type="checkbox"/> Head of Department	(select)	Ezequiel Martins Carrondo				

### PLANNED SUBJECT DESCRIPTION

#### 1. LEARNING OBJECTIVES

- To analyze the main techniques of data collection and analysis by associating them with the type of knowledge they produce.
- Use the statistical analysis software (IBM-SPSS) applying the assumptions of descriptive and inferential statistics.
- Interpret qualitative and quantitative data analysis reports.
- Value the importance of scientific research in the construction of nursing discipline and profession;
- To enable the student to make informed use of research results, as well as to participate in research projects in nursing or health.
- **Fundamental competences:** It values research as a contribution to the development of nursing and as a means to improve standards of care.
- **Complementary competences:** Incorporates in practice valid and relevant research results, as well as other evidence; Uses the information technology available in an effective and appropriate way.
- **Partial competences:** Applies critical thinking and problem-solving techniques; It assists and makes informed decisions, regardless of the context of care.

#### 2. PROGRAMME

##### A - Synthesis of the Investigation Process

##### B - Treatment and Analysis of Data

Descriptive Analysis: Concepts of Descriptive Statistics; Exploratory data analysis (SPSS), Frequency distributions; Graphical representation of data; Measures of central tendency and dispersion.

Inferential analysis: tests applied to the health/nursing context.

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#### **C - Types of Existing Reviews**

#### **D - Ethical Aspects in Academic Research**

### **3. COHERENCE BETWEEN PROGRAMME AND OBJECTIVES**

The contents of the CU are structured in order to allow the student the knowledge, understanding and application of nursing research. It intends to value research as a contribution to the development of nursing and as a means to improve standards of care. They also aim to incorporate in practice the valid and relevant research results. Statistical analysis contents will provide students with the tools to present information clearly and succinctly, using the SPSS computer tool. In this way, it contributes to the development of critical thinking, the ability to analyze and solve problems. The contents related to the systematic review of literature and critical review allow the student to develop a critical spirit and be an actor in the process of production and development of nursing knowledge, always keeping in mind the ethical aspects of research with and for human beings.

### **4. MAIN BIBLIOGRAPHY**

Bardin, L. (2009). *Análise de Conteúdo*. Edições 70.

Graig, J. V. & Smyth, R. L. (ed.) (2004). *Prática baseada na evidência: manual para enfermeiros*. Lusociência.

Cunha, G., Martins, M., Sousa, R. & Oliveira, F. (2007). *Estatística aplicada às ciências e tecnologias da saúde*. Lidel.

Dawson, B. & Trapp, R. G. (2003). *Bioestatística Básica e Clínica*. McGraw-Hill.

Fortin, M.-F. (2009). *Fundamentos e etapas do processo de investigação*. Lusociência.

Gauthier, B. (2003). *Investigação social: da problemática à colheita de dados*. Lusociência.

Lérida, A. & Utrilla, B. (1999). *Estadística Básica para Enfermería*. Libreria Universitaria.

Maroco, J. (2021). *Análise Estatística com o SPSS Statistics* (8ª ed.). ReportNumber.

Néné, M. & Sequeira, C. (Coord.) (2022). *Investigação em Enfermagem: Teoria e Prática*. Lidel.

Pestana, M. H. & Gageiro, J. N. (2020). *Análise de Dados para Ciências Sociais* (6ª ed.). Edições Sílabo.

Polit, D. F., Beck, C. T. & Hungler, B. (2004). *Fundamentos de Pesquisa em Enfermagem: Métodos, avaliação e utilização* (5ª ed.). Artmed.

Vilelas, J. (2020). *Investigação: o processo de construção do conhecimento* (3ª ed. rev. aum.). Edições Sílabo.

Streubert, H. & Carpenter, D. (2013). *Investigação qualitativa em enfermagem* (5ª ed.). Lusociência.

**Note:** Further reading can be provided during the teaching sessions, according to the specific treatment of different themes and according to the needs and concerns emerging from the student's critical thinking.

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## 5. TEACHING METHODOLOGIES (INCLUDING EVALUATION)

Exhibition, demonstration and discussion classes

Reading and analysis of reference texts.

Troubleshooting

Making practical practice sheets

Practice with the use of computer tools

Analysis and critical appraisal of research articles

The evaluation methodology intends to reflect the learning carried out within the framework of the development of the curricular unit and is focused on the defined objectives and competences. The proofs, not neglecting the theoretical-conceptual aspects, are composed mainly of practical exercises, as much as possible close to the reality of the investigative processes in health-nursing.

### *Continuous evaluation:*

a) Carrying out a test (6 values) for chapter B: treatment and analysis of data;

b) Carrying out a group work developed in theoretical-practical classes, with oral presentation and individual discussion, rated for 14 values. The group work is focused on the analysis of research articles (empirical studies), allowing them to get closer to the reality of nursing research, serving as a motivation for the study, guiding its meaning and focusing more in the students the learning process.

*Assessment in final exam:* the final exam is graded from 0 to 20 values.

Approval requires compliance with the frequency regime and final classification greater than or equal to 9.5 values.

Students covered by special regimes is subject to the regulation in force.

## 6. COHERENCE BETWEEN TEACHING METHODOLOGIES AND OBJECTIVES

The following teaching methodology consists of theoretical expositions, complemented by practical exercises, where the picture, the computer and the multimedia projector is used, actively promoting student participation. In the course of some lectures, students explore SPSS and use it as an auxiliary tool for exploratory data analysis. In the theoretical-practical classes, the teacher is available to guide and inform the decisions that the students need to prepare the written work.

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## 7. ATTENDANCE

**1st.** The theoretical-practical, practical and laboratory and seminar contact hours each are compulsory, with the absence limit of 25% of the number of hours allotted to it in the syllabus.

**2nd.** To effect of tagging fault, is considered as the standard unit the teaching session under class schedule.

**3rd.** Students who exceed the allowed number of absences for a course unit are disapproved this course unit, cannot perform periodic assessment tests or final exam in the respective school year.

**4th.** Beyond the limit of absences predicted will be considered on a case, the special situations of impediment, and the faults can be up to 50% relegates founded upon request directed to the School Director.

**5th.** Since the student has completed enrollment in the first regime of attendance as established in the preceding paragraphs, the second and subsequent enrollment the student has no obligation to comply with the regime of compulsory attendance or presence.

Absences must be justified in printed form, signed by the professor of the curricular unit, and delivered in the Academic Services within 5 working days after the impediment.

Students covered by special regimes is subject to the regulation in force.

## 8. CONTACTS AND OFFICE HOURS

**Ezequiel Martins Carrondo**

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Office hours available on the door of office No. 11.

**Filipe José Paulo Gomes**

[filipegomes@ipg.pt](mailto:filipegomes@ipg.pt)

Contact and Office hours to be provided by the teacher.

**Maria Manuela Caria Figueira de Sá Neves**

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Contact and Office hours to be provided by the teacher.