

Caraterização da Unidade Curricular / Characterisation of the Curricular Unit

Designação da Unidade Curricular / Curricular Unit:	[7085763] Metodologias de Investigação e Estatística		
Plano / Plan:	PLANO - CMEMC-EPSC - a partir 2023/2024		
Curso / Course:	Mestrado em Enfermagem Médico-Cirúrgica, na área de Enfermagem à Pessoa em Situação Crítica		
Grau / Diploma:	Mestre		
Departamento / Department:	ENFERMAGEM		
Unidade Orgânica / Organic Unit:	ESCOLA SUPERIOR DE SAÚDE DE VISEU		
Área Científica / Scientific Area:	Enfermagem		
Ano Curricular / Curricular Year:	1		
Período / Term:	S1		
ECTS:	3		
Horas de Trabalho / Work Hours:	0075:00		
Horas de Contacto/Contact Hours:			
(T) Teóricas/Theoretical:	0015:00	(TC) Trabalho de Campo/Fieldwork:	0000:00
(TP) Teórico-Práticas/Theoretical-Practical:	0015:00	(OT) Orientação Tutorial/Tutorial Orientation:	0000:00
(P) Práticas/Practical:	0000:00	(E) Estágio/Internship:	0000:00
(PL) Práticas Laboratoriais/Practical Labs:	0000:00	(O) Outras/Others:	0000:00
(S) Seminário/Seminar:	0000:00		

Docente Responsável / Responsible Teaching

[5018] Maria Madalena De Jesus E Cunha Nunes

Outros Docentes / Other Teaching

Não existem docentes definidos para esta unidade curricular.

Learning Outcomes of the Curricular Unit

Relate levels of evidence and degrees of recommendation with the safety and quality of nursing care;

Differentiate the theoretical-methodological options and the stages that characterize primary research (quantitative and qualitative) and secondary research;

Understand the methodological strategies and techniques to support the elaboration of a protocol and a research project;

Interpret probabilistic models to support statistical inference, the interpretation of confidence intervals and the formulation and testing of hypotheses

Use software to support statistics.

Syllabus

Research process and its characteristics

Methodological research strategies: quantitative/qualitative paradigm

Primary investigations

The research project: its design and components

Stages of research protocols and strategies

Elements of the research report Secondary investigations (Scoping review and RSL)

Evidence-based practice: concepts and steps

Vision, trends and research questions in the area of specialized nursing

Contributions of scientific evidence to the improvement of specialized nursing care Nursing research units/centers

Methodology of data analysis

Descriptive/ inferential statistics - statistical programs Parametric and non-parametric test assumptions

Presentation and analysis of qualitative and quantitative data

Communication of research results

Demonstration of the syllabus coherence with the curricular units' learning objectives

They are arranged according to a coherent and coordinated order, in a systemic logic

The presentation of examples of type studies and use of different methodologies enables a more adequate explanation and conjunction of knowledge with the remaining CUs of the course

The programme associates concepts and contents leading to the creation and implementation of research methodologies and the dynamics leading to the development of research projects

The presentation of the best evidence/level of recommendation, coupled with the discussion of scenarios, enables showing the best health care practices

The explanation of current issues and challenges in nursing enables understanding the lines of research in the field of nursing and health in general, as well as identifying the areas which require additional research.

Teaching Methodologies (Including evaluation)

The content will be taught in T and TP classes with dynamic methodologies. Students will be encouraged to reflect and consult/research, promoting active learning. In TP classes, exercises will be solved and practical application of content will be carried out. Using the statistical program promotes the training of operational skills. Students will be guided to carry out individual or group work, with the creation and analysis of a database or preparation of a research project. The assessment may be an individual written test (100%) or group/individual work and a written test, with the individual written test (50%) and the individual/group work, with presentation (50%). Approval presupposes a classification greater than or equal to 10 points. For students who do not pass, the normal exam and resit exam are scheduled, with an individual written test of 20 points, covering the entire UC program.

Demonstration of the coherence between the teaching methodologies and the learning outcomes

The implementation of different teaching methodologies aims to ensure the consistency of the syllabus according to the objectives and their relationship with the students' learning, promoting in them the ability to mobilize and apply knowledge in health practice contexts. To ensure this coherence, the teacher: (i) communicates and discusses the objectives with the students at the beginning and throughout the curricular unit; (ii) explains the objectives to be achieved through the training of research competences using information technologies and training of the search in scientific databases; (iii) validates if they are achieved, since each student should demonstrate the achievement of the defined objectives. The adopted methodologies allow the development of theoretical knowledge and research in clinical practice, interpretation of scientific results for an evidence-based practice and the mobilization of knowledge and developed skills, for more specific contexts and specialized nursing practice. Thus, throughout the course, students will develop cognitive and motivational skills for the importance and understanding of research and statistics in clinical practice, contributing to a better perception and understanding of the objectives to be achieved. The methodologies adopted, student-centered, will facilitate the development of skills and lead to the objectives presented and focus on the involvement of students in solving problem situations and group discussion, allowing teamwork and the development of useful skills for personal and professional valorization.

Bibliografia / Bibliography

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Marôco, J. (2021). Análise estatística com utilização do SPSS 8ª ed. Pêro Pinheiro: Report Number Lda

Mota, M.A., (?) Cunha, M. (2021). Trauma Prehospital Hypothermia Prevention and Treatment: An Observational Study. JTN, 28(3), 194-202.

Negas, E., & Carreira, A. (2019). Estatística descritiva: Explicação teórica, casos de aplicações e exercícios resolvidos. Edições Sílabo

Pestana, M. H., & Gageiro, J. N. (2014). Análise de dados para ciências sociais: A complementaridade do SPSS 6ª Ed. Edições Sílabo

Polit, D.F., & Beck, C.T. (2019). Fundamentos de pesquisa em enfermagem: Avaliação de evidências para a prática de enfermagem (9ª ed.). Porto Alegre: Artmed