

Course Unit	Research Methodologies in Nursing	Field of study	Nursing
Master in	Nursing in Rehabilitation	School	School of Health
Academic Year	2023/2024	Year of study	1
Type	Semestral	Semester	1
Level	2-1	ECTS credits	3.0
Code	1208-746-1105-00-23		
Workload (hours)	81	Contact hours	T - TP 15 PL - TC - S - E - OT - 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) Andre Filipe Morais Pinto Novo, Leonel São Romão Preto

Learning outcomes and competences

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

1. Knowing the different paradigms, types and research methods
2. Understanding the stages of the research process
3. Consolidate knowledge on different approaches (quantitative vs. qualitative)
4. To know the ethical principles inherent to research in human beings
5. Build capacity to use computer tools to support research
6. Demonstrate expertise required to prepare a research project
7. Approaches to the treatment of research data
8. Show knowledge and respect for ethical principles in research

Prerequisites

Before the course unit the learner is expected to be able to:
has not

Course contents

Different paradigms, methods and techniques of investigation; Quantitative versus qualitative. Stages of the investigation process. Approach to data treatment, qualitative versus quantitative. Ethical principles in research. Information systems, documentation and bibliographic management. Train for project design and research report.

Course contents (extended version)

1. Epistemological paradigms and strategies for health research
2. General aspects of research methodology
 - Forms and methods of acquiring knowledge
 - What differentiates the common sense of scientific knowledge
 - Deductive reasoning versus inductive reasoning
3. Epistemological paradigms and health research strategies
 - Quantitative Paradigm: Types of studies Research question Objectives and Research Assumptions
 - Population Sample
 - Types of Samplings: Probabilistic and Non-Probabilistic
 - Data collection instruments Pre test
 - qualitative paradigm
 - Techniques and data collection tools
 - Content analysis
4. Phases or stages of the research process
 - conceptual phase
 - methodological phase
 - empirical phase
5. Approaches in the treatment of data (quantitative vs. qualitative)
 - Data Analysis: Application and interpretation of the statistical techniques
 - Content analysis
6. Ethical principles in health research
 - Declaration of Helsinki
 - Permit institutions where the research is carried (ethics committees)
 - informed consent
 - Procedures on the authorship of the results Plagiarism
7. use of computer tools to support research
 - Mendley, PSPP, JAMOVI
8. Develop a research project
 - Title Index
 - Introduction
 - Theoretical framework (state of the art) Research question Research Objectives and Hypotheses
 - Methodology
 - Contextualization
 - Research design (type of study) Research question Study objectives
 - Dependent variable Independent variable Research hypotheses
 - Population Sample Type of sampling (calculation of sample size mercy error samples AP)
 - Data analysis
 - Ethical considerations Schedule of activities References

Recommended reading

1. Ribeiro, J. L. P. (2010). Metodologia de Investigação em psicologia e saúde. (3ª ed.). Lisboa. Livpsic. Psicologia
2. Fortin, M. F. , Côté J. , & Filion, F. (2009). Fundamento e etapas do processo de Investigação. Loures. Lusodidacta
3. Coutinho, C. P. (2013). Metodologia de investigação em ciências sociais e humanas: teoria e prática. Coimbra. Almedina
4. Polit, D. F. , & Beck, C. T. (2011). Fundamentos de pesquisa em enfermagem: avaliação de evidências para a prática de enfermagem. Porto Alegre. Artmed
5. Néné, M., & Sequeira, C. (2022). Investigação em enfermagem teoria e prática. LIDEL.

Teaching and learning methods

Sessions Theoretical and practical guidelines tutorials and seminars, adequacy of methodological strategies focused on students' reflection processes: reading times; analysis of scientific texts and preparation of summaries, discussions and debates; Exhibition in classroom-based work activities prior consultation. Methodology -

Teaching and learning methods

Expository, Reflective, Interactive

Assessment methods

1. Written work - research project (100%) - (Regular, Student Worker) (Final)
2. Written exam (100%) - (Regular, Student Worker) (Supplementary, Special)

Language of instruction

1. Portuguese
2. Portuguese, with additional English support for foreign students.

Electronic validation

Andre Filipe Morais Pinto Novo, Leonel São Romão Preto	Maria José Almendra Rodrigues Gomes	Hélder Jaime Fernandes	Adília Maria Pires da Silva Fernandes
07-02-2024	18-02-2024	19-02-2024	19-02-2024