

Course Unit	Research Methodologies in Nursing	Field of study	Nursing
Master in	Nursing in Family Health	School	School of Health
Academic Year	2019/2020	Year of study	1
Type	Semestral	Semester	1
Level	2-1	ECTS credits	6.0
Code	5039-527-1105-00-19		
Workload (hours)	162	Contact hours	T - , TP 45, PL - , TC - , S - , E - , OT 15, 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) Manuel Alberto Morais Brás

### 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. Understand and know the steps of the research process: Conceptual; Methodological and empirical.
3. Consolidate knowledge about the different approaches in data processing.
4. Communicate and demonstrate respect for ethical principles inherent in the research.
5. Develop and demonstrate the use of computer tools to support research capabilities.
6. Demonstrate knowledge needed to design a research project.
7. Master the different approaches in the treatment of research data.

### Prerequisites

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

### Course contents

Paradigms and types of research; - The process of scientific research: conceptual phase, methodological phase, empirical phase; - Ethical principles of research; - Treatment of qualitative data in research; - Treatment of quantitative data in research. - Communication in and of the research process; - Information systems, documentation and management literature (ie Mendley; EndNote, QSR N6 NUD \* IST / WEB QDA; SPSS).

### Course contents (extended version)

1. Epistemological paradigms and strategies for health research
2. General aspects of research methodology
3. Forms and methods of acquiring knowledge
4. Methodological approaches to research: quantitative versus qualitative paradigm
  - Project and research work, its design and components
  - Phases of the research process: conceptual methodological empirical
  - Population and Universe Sampling and sampling types probability samples Samples not probabilistic
5. Drawings and Research Methods
  - Quantitative Research Measuring scales Instruments for data collection
  - Quantitative treatment of the data in research
  - Qualitative Research Instruments of data collection it depth interview Content Analysis
  - Qualitative treatment of data in research
6. Data Analysis: Application and interpretation of the statistical techniques
7. Ethical principles in health research
8. Infor. systems documentation management literature Mendley; EndNote, QSR N6 NUD IST WEB QDA; SPSS
9. Communication in and of the research process

### Recommended reading

1. Bardin, L (2004). Análise de Conteúdo. 3ªEdição. Lisboa: Edições 70.
2. Ribeiro, J. L. P. (2010) - Metodologia de Investigação em psicologia e saúde / José Luís pais Ribeiro. 3ª ed. Lisboa. Livpsic. Psicologia
3. Gil, A. C. (1991) - Como elaborar projetos de pesquisa. 3ª ed . São Paulo. Atlas
4. Fortin, M. F. ; Côté J. ; Filion, F. (2009) - Fundamento e etapas do processo de Investigação. Loures. Lusodidacta
5. Maroco, J. (2003). Análise Estatística, com utilização do SPSS. Lisboa: Edições Sílabo.

### 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 - Expository, Reflective, Interactive

### Assessment methods

1. The evaluation will be carried out in two stages - (Regular, Student Worker) (Final)
  - Projects - 75% (Elaboration investigation pre-project that allows monitoring and classifying the student's learning.)
  - Presentations - 25% (Presentation and discussion of the assembly in research project.)
2. Final examination with assessment of all matter - (Regular, Student Worker) (Supplementary, Special)
  - Final Written Exam - 100% (Proof of assessment of knowledge on the subjects taught)

### Language of instruction

Portuguese

### Electronic validation

Manuel Alberto Morais Brás	Maria Augusta Pereira da Mata	Maria Eugénia Rodrigues Mendes	Adília Maria Pires da Silva Fernandes
06-11-2019	11-11-2019	17-11-2019	17-11-2019