

Course Unit	Evidence-based practice and decision-making in nursing		Field of study	Nursing	
	Graduate in nursing management		School	School of Health	
Academic Year	2019/2020	Year of study	1	Level	ECTS credits 3.0
Type	Semestral	Semester	1	Code	5042-678-1110-00-19
Workload (hours)	81	Contact hours	T -	TP 10	PL -
			TC -	S 5	E -
			OT -	O 5	

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, Maria Cristina Martins Teixeira

#### Learning outcomes and competences

- At the end of the course unit the learner is expected to be able to:
- Understand the evidence-based practice as the result of systematic search for answers to practical questions.
  - Understand the systematic review approach taking into account the summary, presentation and discussion of results
  - Interpret frequency measures of health events in the population.
  - Designing epidemiological studies to answer scientific questions and interpret the results based on measures of association and impact.

#### Prerequisites

Not applicable

#### Course contents

1. Prospective Nursing Research 2. Evidence-based nursing practice 3. Research / Nursing research 4. Design of epidemiologic studies. 5. Measures of association and measures of impact. 6. Methods underlying systematic review

#### Course contents (extended version)

- Prospective nursing research
  - Importance of research in the practice of evidence-based nursing
  - Research of evolution in nursing
  - Sources of evidence for nursing practice
  - Paradigms in the nursing research
  - Purposes nursing research
- Evidence-based nursing practice in nursing
  - History of evidence-based practice
  - Resources in the evidence-based practice
  - Individual and organizational practice evidence-based
- Research / Nursing research
  - Quantitative and qualitative studies
- Design of epidemiological studies
  - Cohort study
  - Case-control study
  - Cross-sectional study
  - Ecological studies
- Measures of association and measures of impact
- Systematic Review
  - Searching for relevant papers
  - Summary and presentation of results
  - Reference management software

#### Recommended reading

- Polit, D. F. ; Beck, C. T. (2011). Fundamentos de Pesquisa em Enfermagem: Avaliação de evidências para a prática de enfermagem. 7ª edição. Porto: Artmed Alegre.
- Gordis, L. (2000). Epidemiology. 2ª Edition. Philadelphia: W. B. Saunders Company;
- Jesus, E. (2006). Padrões de habilidade cognitiva e processo de decisão clínica de enfermagem. Coimbra: Formasau
- Lfaro-Lefevre, R. (2010). Aplicação do processo de enfermagem - uma ferramenta para pensamento crítico (7ª ed. ). (A. Thorell, Trad. ) Porto Alegre: Artmed.

#### Teaching and learning methods

The unit will be taught by combining theoretical lessons with practical lessons based on engagement in creative practical cases, as well as self guided learning oriented by the teacher. The students will be encouraged to solve practical questions as well as to apply methodology for systematic review.

#### Assessment methods

- Normal evaluation - (Regular, Student Worker) (Final)
  - Practical Work - 100%
- Final evaluation by exam - (Regular, Student Worker) (Supplementary, Special)
  - Final Written Exam - 100%

#### Language of instruction

Portuguese

#### Electronic validation

Manuel Alberto Morais Brás	Eugénia Maria Garcia Jorge Anes	Maria Eugénia Rodrigues Mendes	Adília Maria Pires da Silva Fernandes
07-11-2019	05-12-2019	08-12-2019	08-12-2019