



## APPLIED QUANTITATIVE NURSING RESEARCH

Enrollment year	2020/2021
Academic year	2020/2021
Regulations	DM270
Academic discipline	MED/45 (GENERAL, CLINICAL AND PEDIATRIC NURSING)
Department	DEPARTMENT OF PUBLIC HEALTH, NEUROSCIENCE, EXPERIMENTAL AND FORENSIC MEDICINE
Course	NURSING AND MIDWIFERY SCIENCES
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	(15/03/2021 - 04/06/2021)
ECTS	2
Lesson hours	16 lesson hours
Language	Italian
Activity type	WRITTEN TEST
Teacher	CARUSO ROSARIO
Prerequisites	
Learning outcomes	<p>Understanding the potential and limitations of the research methodology in the biomedical and care fields; Know the stages of the process applied to research Know the Ethical Principles of Research Acquire the knowledge that allows you to critically evaluate a research problem Know the elements necessary to critically read and analyze a scientific article; Understand the processes of transferring research results to nursing practice; Prepare critically for the identification of nursing questions that could generate research hypotheses.</p>



General knowledge of nursing research and its role in evidence-based practice

Quantitative Research: Phases of the Quantitative Research Process: Research Drawings used in Nursing; Describe the process that transforms a research problem into a research question;

Explain the differences between the definition of the problem and the definition of the purpose of the research;

Critically analyze problem definition and purpose definition in a research article

Describe the difference between dependent variable, independent variable, extraneous variable;

Describe the nursing research questions;

Describe the main study designs in relation to the research question;

Describe the hierarchy of scientific evidence in relation to the study design.

The Scientific Literature

Critical Evaluation of an Interactive Educational Scientific Article - Practical Exercise

## Teaching methods

Frontal lessons  
Interactive teaching  
Practical demonstrations  
Group practical exercises

**Recommeneded or required  
readings**

Fondamenti di Ricerca infermieristica. Polit & Beck. Traduzione a cura di Alvisa Palese. McGraw Hill, 2014

"Metodologia della Ricerca Infermieristica" Geri Lo Biondo-Wood Judith Haber; Edizione italiana a cura di Julita Sansoni. McGraw-Hill, 2004;

. La ricerca infermieristica: leggerla, comprenderla e applicarla. Fain J.A; McGraw-Hill, 2° edizione. Milano 2004.





Individual Written essay: Critical analysis of a scientific article in English, (chosen by the Student) through the use of Grid (Fain, 2004) provided by the teacher. The verification will consider the following points:  
General knowledge of nursing research and its role in evidence-based practice

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Describe the difference between dependent variable, independent variable, extraneous variable;

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Peer Review Scientific Papers will be used during the lessons



