

BSc in Physiotherapy

COURSE TITLE: Professional Workshop - *Research Methodology in Physiotherapy*

NUMBER OF ECTS CREDITS: 1

SSD: MED/48

PROFESSORS : [Leonardo Pellicciari](#)

e-mail: leonardo.pellicciari@unicamillus.it

PREREQUISITES

Basic notions of Medical Statistics.

LEARNING OBJECTIVES

Knowledge of Evidence-Based Clinical Practice and its application in clinical practice are essential objectives.

These objectives will be achieved through lectures and exercises (reading of articles and discussion of clinical cases) intended to facilitate learning and improve the ability to address and resolve the main questions in this field.

LEARNING OUTCOMES

Knowledge and understanding

At the end of this Course, the Student should be able to:

- Know the principles of Evidence-Based Practice;
- Know how to carry out a bibliographic search correctly;
- Know the main study designs;
- Acquire knowledge for a critical evaluation and a correct interpretation of the efficacy tests.

Applying knowledge and understanding

At the end of the Course, the Student will be able to:

- Use the acquired knowledge to implement Evidence-Based Practice;

Communication Skills

At the end of the Course, the Student should know:

- Use specific scientific terminology appropriately.

Making judgements

At the end of the Course, the Student should know:

- Perform critical appraisal of scientific studies

Learning Skills

The Student will have acquired skills and learning methods suitable for deepening and improving their knowledge and skills in the field of rehabilitation sciences, also through consultation with scientific literature.

COURSE SYLLABUS

Introduction to Evidence-Based Practice
Bibliographic research
Anatomy and physiology of clinical research
The randomized clinical trial
Systematic review and meta-analysis

COURSE STRUCTURE

The Course is structured in 25 hours of frontal teaching, divided into lessons of 2, 4 or 5 hours according to the academic calendar.

COURSE GRADE DETERMINATION

The verification of the Student's preparation will take place through a written test of 30 multiple choice questions. The test will be considered passed if the student answers correctly at least 18 out of 30 questions. During the written test, the teacher will assess the Student's ability to apply the knowledge.

READING MATERIALS

Handouts provided by the teacher

Herbert, R., Jamtvedt, G., Hagen, K. B., & Mead, J. (2011). Practical evidence-based physiotherapy. Elsevier Health Sciences.