

FEDERAL UNIVERSITY OF SÃO CARLOS FOUNDATION

GRADUATE PROGRAM IN PHYSIOTHERAPY – PPGFt/CCBS/R

COURSE CHARACTERIZATION FORM

Graduate Program: Physiotherapy

Course Code: FIT-204

Credits: 6

Course Title: Scientific Methodology for Evidence-Based Practice

Start of Validity: 2025 – 1st Semester

Justification

Evolution of the course due to the restructuring of the PPGFT curriculum.

Course Workload

Theoretical Classes: 60 hours

Practical Classes: 30 hours

Exercises/Seminars: Not applicable

Course Syllabus

- Principles of evidence-based physiotherapy
- Types of study in scientific research
- Development of the research question
- Bibliographic search strategies
- Searching for articles in scientific databases
- Exporting, storing, and managing scientific articles
- Registration of systematic reviews and clinical trials
- Development of data collection protocols – SPIRIT recommendations and TIDieR
- Reporting guidelines: STROBE, CONSORT, STARD, PRISMA, SPIRIT, GRRAS, CHEERS, SRQR
- Assessment of risk of bias in studies
- Development and interpretation of meta-analyses
- Analysis of the clinical relevance of study results
- Diagnostic accuracy
- Assessment of certainty of evidence (GRADE system)

- Measurement properties of Patient-Reported Outcome Measures (PROMs)
- Cross-cultural adaptation process
- Patient and public involvement in research (PPI / CEI)
- Case Report Form (CRF): principles and components
- REDCap platform: data collection, management, and dissemination

Nature of the Course

Specific to the Area of Concentration in Physiotherapy and Functional Performance.

Main Responsible Faculty

Ana Carolina de Campos – Permanent Faculty

Luiz Fernando Approbato Selistre – Permanent Faculty

Cleber Ferraresi – Permanent Faculty

Renata Gonçalves Mendes – Permanent Faculty

Thais Cristina Chaves – Permanent Faculty

Approval

Approved at the 290th Ordinary Meeting of the PPGFT Graduate Program Committee on February 14, 2025.

São Carlos, February 17, 2025.

Prof. Dr. Tatiana de Oliveira Sato

Coordinator of the Graduate Program in Physiotherapy – UFSCar