

FEDERAL UNIVERSITY OF SÃO CARLOS FOUNDATION  
GRADUATE PROGRAM IN PHYSIOTHERAPY – PPGFt/CCBS/R  
COURSE CHARACTERIZATION FORM

**Graduate Program:** Physiotherapy

**Course Code:** FIT-201

**Credits:** 2

**Course Title:** Health Economic Evaluation

**Start of Validity:** 2025 – 1st Semester

**Justification**

Health care resources are scarce worldwide, and decision-makers such as health managers, clinicians, and patients require information grounded in scientific evidence. Decision-making based on health economic evaluations is widely adopted in high-income countries and has increasingly gained prominence in middle- and low-income countries, including Brazil. Therefore, the aspects involved in health economic evaluations—such as planning, execution, implementation, and interpretation—need to be understood by graduate students.

**Course Workload**

Theoretical Classes: 12 hours

Practical Classes: 8 hours

Exercises/Seminars: 10 hours

**Course Syllabus**

- Basic and intermediate concepts of health economic evaluation
- Decision-making processes involving health economic evaluations
- Health economic evaluation in the context of implementation of health interventions
- Training in planning, conducting, and implementing health economic evaluation processes

**Nature of the Course**

Elective course for both Master's and Doctoral programs.

**Main Bibliography**

Miyamoto GC et al. Interpretation of trial-based economic evaluations of musculoskeletal physical therapy interventions. Brazilian Journal of Physical Therapy, 2021.

Brazilian Network for Health Technology Assessment (REBRATS). Methodological Guidelines: Economic Evaluation. Ministry of Health, 2014.

REBRATS. Methodological Guideline: Microcosting Studies Applied to Health Economic Evaluations. Ministry of Health, 2021.

Larg A, Moss JR. Cost-of-illness studies – a guide to critical evaluation. *Pharmacoeconomics*, 2011.

van Dongen JM et al. Trial-based economic evaluations in occupational health. *Journal of Occupational and Environmental Medicine*, 2014.

Turner HC et al. Adjusting for inflation and currency changes within health economic studies. *Value in Health*, 2019.

Black WC. The CE plane. *Medical Decision Making*, 1990.

Fenwick E et al. Cost-effectiveness acceptability curves. *Health Economics*, 2004.

Husereau D et al. CHEERS 2022 Statement. *Value in Health*, 2022.

Miyamoto GC et al. Economic evaluation of Pilates-based exercise therapy. *British Journal of Sports Medicine*, 2018.

## **Main Responsible Faculty**

Cristina Maria Nunes Cabral – Collaborating Faculty

Gisela Cristiane Miyamoto – Visiting 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

Chair of the PPGFt Graduate Program Committee – UFSCar