



**FEDERAL UNIVERSITY OF SÃO CARLOS  
CENTER OF BIOLOGICAL AND HEALTH SCIENCES  
GRADUATE PROGRAM IN PHYSICAL THERAPY**

**Concentration: Physical Therapy and Functional Performance**

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**COURSE: FIT 567 - Topics in Neuroscience applied to Physical Therapy**

**Credits: 6**

**Course Load: 90 hrs.**

**Instructor: Anna Carolyn Lepesteur Gianlorenço, Ph.D.**

**Course Overview:**

- 1) Discussion of current and relevant scientific articles in neuroscience. The topics addressed in the course will vary according to students' interest and their research projects.
- 2) Analysis of major publications in neuroscience and evidence-based neurofunctional rehabilitation.
- 3) Reading and presentation of recent scientific articles associating neurosciences to student's research projects.

**Course Materials:**

1. Scientific articles.
2. Kandel, Eric Princípios da Neurociência. 5 ed. 2016. Ed Mcgraw hill.
3. Lundy Ekman, Laurie. Neurociência Fundamentos para reabilitação. 3 ed. 2008. Elsevier.