



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

**Concentration: Physical Therapy and Functional Performance**

Via Washington Luís, Km 235 – São Carlos, SP 13.565-905

Phone: (016) 3351 - 8448 Email: [ppgft@ufscar.br](mailto:ppgft@ufscar.br)

---

**COURSE: DIP 030 - Biostatistics**

**Credits: 12**

**Course Load: 180 hrs.**

**Instructors: Tiago da Silva Alexandre, Ph.D.**

**Tatiana de Oliveira Sato, Ph.D.**

**Course Overview:**

- a) Statistical data presentation (graphs and tables).
- b) Descriptive analysis.
- c) To analyze differences between groups (parametric and non-parametric tests, paired and unpaired tests, analysis of variance [ANOVA]).
- d) To analyze similarities between data (correlation and linear regression).

**Course Materials:**

1. Bork CE. Research in physical therapy. Lippincott, 1993. Domholdt E. Physical Therapy Research principles and applications. WB Saunders Company. 2<sup>a</sup> ed. 2000
2. Callegari-Jacques SM. Bioestatística princípios e aplicações. Artmed. 2003. Vieira S. Introdução à bioestatística. Campus. 3<sup>a</sup> ed. 1980. Thomas JR, Nelson JK, Silverman SJ. Métodos de pesquisa em atividade física. Artmed, 2007