



**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 553 - Topics in Epidemiological Data Analysis**

**Credits: 6**

**Course Load: 90 hrs.**

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

**Course Overview:**

This course addresses biostatistics concepts; measures of risk, linear, logistic, Poisson, multinomial, and ordinal regression models; and their applicability in epidemiologic and health studies.

**Course Materials:**

1. BERQUO, ES. SOUZA, JMPS & GOTLIEB, SLD - Bioestatística, EPU 1ª edição revista, São Paulo, 1981.
2. DAWSON-SANDERS B; TRAPP RG. Basic & Clinical Biostatistics. 3rd edition, Lange Medical Books/McGraw-Hill, New York, 2001.
3. DRAPER NR; SMITH H. Applied Regression Analysis. John Wiley and Sons, 3rd edition. New York, 1998.
4. FILHO, NA. BARRETO, M.L. Epidemiologia & Saúde: Fundamentos, Métodos e Aplicações. 1a Edição. Rio de Janeiro: Guanabara Koogan, 2011.
5. GORDIS, L. Epidemiologia. 4a Edição. Rio de Janeiro: Editora Revinter, 2010.
6. KLEINBAUM DG; KUPPER LL; MULLER KE; NIZAM A. Applied regression analysis and other multivariable methods. 3rd edition. Brooks/Cole Pub Co, Boston, 1997.
7. KELSEY JL, WHITTEMORE AS, EVANS A & THOMPSON WD. Methods in observational epidemiology. New York, 2<sup>nd</sup> edition, Oxford University Press, 1996.