



**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

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COURSE: FIT - 519 Topics in Cardiorespiratory Physical Therapy

Credits: 6

Course load: 90 hrs.

Instructor: Audrey Borghi e Silva, Ph.D.

Course Overview:

1. Topics in exercise physiology related to cardiorespiratory physical therapy.
2. Effects of physical exercise on patients with heart and lung diseases.
3. Assessment of functional capacity - invasive and non-invasive methods.
4. Cardiovascular physical therapy: from the hospital to the outpatient clinic.
5. Preparation of seminars and discussion of current articles related to the course.

Course Materials:

1. WASSERMAN, K.; HANSEN, J.; SUE, D.; WHIPP, B.J. Principles of exercise testing and interpretation: including pathophysiology and clinical applications. 3° ed. Philadelphia. Lippincott Williams & Wilkins. 1999.
2. NEDER, J. & NERY L. E. Fisiologia Clínica do exercício. 1°ed. São Paulo: Artes Médicas, 2003.
3. MCARDLE, W.D.; KARCH, F.I.; KATCH, V.L. Fisiologia do exercício: Energia, nutrição e desempenho humano. 3° ed. Rio de Janeiro: Guanabara Koogan, 1992.