



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-120 - Evaluation and Functional Rehabilitation in

Sports Injuries

Credits: 6

Course Load: 90hrs.

Instructor: Fábio Viadanna Serrão, Ph.D.

Course Overview:

1. Skeletal muscle;
2. Biomechanical aspects of the musculoskeletal system in sports;
3. Application of qualitative and quantitative methods in the functional and biomechanics of system injuries
4. Biomechanical and functional basis of the rehabilitation techniques used in sports injuries.

Course Materials:

1. Basmajian, J.V., De Luca, C.J. Muscle Alive: their function revealed by electromyography., 5th edn, Williams & Wilkins, Baltimore, 1985.
2. DVIR, Z. Isokinetics - muscle testing: interpretation and clinical applications, New York, Churchill Livingstone, 1995.
3. LEVANGIE, P. K.; NORKIN, C.C. Joint Structure and Function. A Comprehensive Analysis. 3rd Ed. F. A. Davis Company, Philadelphia, 2001.