ES 514: Applied Electromyography

HEALTH, EXERCISE SCI & RECREATION MGMT

Introduction to the theoretical basis and practical application of electromyography (EMG) in the study of human motion. Topics include the electrophysiological basis of muscle actions and the EMG, mechanical properties of muscle, EMG recording and processing methods, and applications of EMG to the study of human motion.

A lecture/discussion format will be used in conjunction with complementary laboratory demonstrations and exercises. Students are fully expected to contribute to lecture discussions of assigned readings and relevant topics.

3 Credits

Prerequisites

- Instructor Approval Required

Instruction Type(s)

- Lecture: Lecture for ES 514

Subject Areas

- Kinesiology and Exercise Science

Related Areas

- Health and Physical Education, General
- Health and Physical Education/Fitness, Other
- Sport and Fitness Administration/Management

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