

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
- <u>Sports Studies</u>

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

