

ES 515: Stress and the Brain HEALTH, EXERCISE SCI & RECREATION MGMT

The experience of stress is common to our lives. Stressful events change brain function and behavior and are a major factor contributing to the development of psychiatric disorders. In this course we will focus on the mechanisms through which stress changes our brain. In our classes we will discuss: 1/ how to define stress; 2/ the neurophysiological response to stress; 3/ the impact of genetic background and physical activity; and 4/ the relationship between stress and psychiatric disorders. Students will present and discuss research papers, and learn protocols and techniques to investigate the effects of stress on brain function and behavior.

3 Credits

Instruction Type(s)

Lecture: Lecture for ES 515

Subject Areas

Health and Physical Education, General

Related Areas

- Health and Physical Education/Fitness, Other
- <u>Kinesiology and Exercise Science</u>
- <u>Socio-Psychological Sports Studies</u>
- Sport and Fitness Administration/Management

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