

(BS=0.0,ET=0.0,MA=0.0)

Scope:

1983-1

Offerings:

2014-1 2015-1

This course introduces the cadet to the physiological and anatomical structures and processes that underlie human behavior with emphasis on human performance. The course examines the structure of the nervous and endocrine systems, the mechanisms of seeing and hearing, movement, stress and arousal, learning, memory, biological causes of abnormal behavior, sleep, language, and the effects on performance of damage to neural structures. Cadets are introduced to the scientific examination of real-world bio-psychological problems in laboratory assignments in examining tissue, brains and eyes to provide three-dimensional realism to classroom instruction. This course provides the basis for competence in later engineering psychology electives. Biological Psychology is the "hardware" introduction to engineering psychology.

Lessons: 36 @ 55 min (2.500 Att/wk) **Labs:** 4 @ 110 min

Special Requirements:

One laboratory report (1200 words). One scientific critique (1200 words).