

# ESS 323 : Applied Kinesiology and Clinical Technique

This course introduces students to the concepts and principles related to the study of human motion including, normal osteokinematics, arthrokinematics and pathomechanics. This course focuses on the influence of anatomical structure, with an emphasis on the skeletal, neural and muscular systems. Principles of posture, ergonomics and gait analysis are discussed. Two-dimensional analysis of movement and force vectors is utilized to reinforce understanding of biomechanical principles.

**Credits** 4

**Proficiency**

QL

**Prerequisite Courses**

[BIO 205: Human Anatomy and Physiology I \(+lab\)](#)

**Semester Offered**

Offered spring