

## **Exercise Physiology Curriculum (Ph.D.)**

\*Core Courses (Required 20 credits)

### **Course Title/Credits:**

[KHP 615](#) Biomechanics of Fundamental Movements (3)

[KHP 620](#) Advanced Exercise Physiology (3)

[KHP 640](#) Laboratory Methods (3)

[KHP 782](#) Independent Research (3)

PGY 615 or equivalent Teaching Credits (1)

Seminar (4) (1 credit/sem for 4 sem)

### **Related Courses:**

#### **Within Exercise Physiology:**

[KHP 600](#) Exercise Stress Testing and Prescription (3)

[KHP 621](#) Exercise and Coronary Heart Disease (3)

[KHP 630](#) Exercise in Health and Disease (3)

[KHP 609](#) Seminar in Health and Safety: College Health Promotion (3)

[KHP 609](#) Seminar in Health and Safety: Healthy Relationships (3)

#### **Other Departments:**

ANA 802 Neuroanatomy for PT students (2)

ANA 811 Human Anatomy for Allied Health Professions (5)

AT 680 Principles and Applications of Kinesiological EMG (3)

AT 700 Muscle Mechanics (3)

BME 501 Foundations of Biomedical Engineering (3)

BME 530 Biomedical Instrumentation (3)

BME 605 Biomedical Signal Processing I (3)

BME 635 Magnetic Resonance Instrumentation and Measurement (3)

BME 670 Biosolids (3)

BME 672 Musculoskeletal Biomechanics (3)

BME 685 Biofluid Mechanics (3)

CNU 605 Wellness and Sports Nutrition (3)

PGY 412G Principles of Human Physiology (4)

PGY 502 Principles of Systems/Cell Molec Physiology (5)

#### **Research/Statistics (7 credits):**

STA 671 Regression and Correlation

STA 672 Design and Analysis of Experiments

STA 677 Applied Multivariate Methods

STA 679 Design and Analysis of Experiments II