**Exercise Physiology - Master of Science Program**

***(30 credit hours for all options)***

**Research Method and Statistics Core (6 hours)**

HP 5379 - Research Methods in HHPR (SP/F)

EDP 5334 - Statistical Methods or STAT 5300 Statistical Methods (SP/F)

**Exercise Physiology Core (9)**

HP 5328 - Physiology of Exercise I - Neuromuscular Aspects (F)

HP 5330 - Physiology of Exercise II – Cardiovascular Aspects (SP)

HP 5340 - Biochemistry in Exercise Science (F)

***Exercise Physiology Electives* (6 hours) - Select two courses in this section**

HP 5333 - Exercise Testing and Prescription (SP-Odd Year)

*HP 5352 - Principles of Exercise and Sports Nutrition (SP-Even Year)*

HP 5354 - Methods of Strength and Conditioning (F-Odd Year)

HP 5357 - Methods of Exercise Programming for Individuals with Chronic Diseases and Disabilities (F-Even Year)

***Restricted Electives\** (3 hours) – Must be approved by Program Director\*.**

**Capstone Experience (6) Select one option**

HP 5V90 - Internship (see Graduate Catalog and Internship Coordinator)

HP 5V94 – Practicum \*\*

HP 5V99 - Thesis (see Graduate Catalog) \*\*\*

 \* *Requires Program Director’s approval. HP 5V70 may be taken up to three times, not to exceed 3-hrs of course credit.*

\*\* *Practicum option includes a 3-hr course from the Exercise Physiology Elective Courses plus either a 3-hr internship practicum or research paper writing practicum to complete the 6-hr Capstone Experience.*

 \*\*\* *Students choosing the thesis option are exempt from the comprehensive exam requirement.*

**Suggested Course Rotation Guidance (4 Semesters)**

**Year 1**

**Fall (9 hrs)**

**HP 5379** - Research Methods in HHPR (3)

**EDP 5334** - Statistical Methods *or* **STAT 5300** Statistical Methods (3)

**HP 5328** - Physiology of Exercise I - Neuromuscular Aspects (3)

**Or One from Exercise Physiology Electives** **or Restricted Electives (\**Must be approved by***

***Program Director)***

**Spring (6 to 9 hrs)**

**HP 5379** - Research Methods in HHPR (3)

**EDP 5334** - Statistical Methods *or* **STAT 5300** Statistical Methods (3)

**HP 5330** - Physiology of Exercise II – Cardiovascular Aspects (3)

**Or One from Exercise Physiology Electives** **or Restricted Electives (\**Must be approved by***

***Program Director)***

**Year 2**

**Fall (6 to 9 hrs)**

**HP 5340** - Biochemistry in Exercise Science (3) or

**HP 5328** - Physiology of Exercise I - Neuromuscular Aspects (3) or

**One from Exercise Physiology Electives** **or Restricted Electives (\**Must be approved by***

***Program Director)***

**HP 5V90 –** Internship (1 to 3) or

**HP 5V94 –** Practicum in HHPR (1 to 3) or

**HP 5V99** – Thesis (1 to 3)

**Spring (6 to 9 hrs)**

**HP 5V90 –** Internship (1 to 3) or

**HP 5V94 –** Practicum in HHPR (1 to 3) or

**HP 5V99** – Thesis (1 to 3)

**Or One from Exercise Physiology Electives** **or Restricted Electives (\**Must be approved by***

***Program Director)***

***\*Comprehensive Exam (thesis students will be exempt)***