

# INTEGRATIVE PHYSIOLOGY M.S. - EXERCISE SCIENCE

## Master of Science - Integrative Physiology - Exercise Science Concentration

### Summary

Code	Title	Hours
Core Course requirements		20
Thesis/Internship/Professional Paper/Dissertation		6
Electives		12
<b>Total Hours</b>		<b>38</b>

Degree Specific Credits: 38

Required Cumulative GPA: 3.0

### Notes

- The **Research Option** is designed for those students who intend to pursue further graduate studies or careers in scientific or medical research. This option involves a more intensive study of laboratory methods and statistical and research design. A thesis is required.
- The **Applied Option** is intended for those students who plan to pursue professional careers in Exercise or Applied Sciences (corporate/adult fitness, cardiac rehabilitation, strength and conditioning). This option involves additional required course work and an internship. Coursework is modified to meet student needs.

## Courses

Code	Title	Hours
<b>Core Course Requirements</b>		
Complete all of the following courses:		
HHP 520	Research Methods	3
HHP 525	Advanced Biomechanics	3
HHP 529	Advanced Exercise Physiology I	3
HHP 530	Advanced Exercise Physiology II	3
HHP 531	Lab Procedures In Exercise Science	3
HHP 594	Seminar	2
A graduate level statistics course		3
<b>Option Requirements</b>		
Complete one of the following Options:		6
Research Option:		
HHP 699	Thesis/Dissertation	
Applied Option:		
Select one of the following:		
HHP 598 & HHP 599	Internship and Professional Paper	
HHP 699	Thesis/Dissertation	
Written Comprehensive Exam		
<b>Elective Course Requirements</b>		
Complete the following courses to meet minimum credit requirements:		12

AHHS 430	Health Aspects of Aging
AHAT 479	Topics in Sports Medicine
ATEP 569	Clinical Anatomy Laboratory
ATEP 576	Performance and Technology in Athletic Training
ATEP 580	Pharmacology for Sports Medicine
BIOB 468	Endocrinology
BIOH 462	Principles of Medical Physiology
CHTH 445	Program Planning in Community Health
CHTH 485	Theories of Health Behaviors and Counseling
COA 405	Advanced Concepts in Coaching
HHP 523	Case Studies in Performance Psychology
HHP 560	Advanced Electrocardiogram Assessment
HTH 465	Leading Health and Human Performance Organizations
HTH 475E	Legal and Ethical Issues Health and Exercise Professions
KIN 410	Advanced Strength Training & Conditioning
KIN 460	ECG Assessment
KIN 483	Exercise Disease & Aging
KIN 484	Exercise Disease & Aging Lab
NUTR 411	Nutrition For Sports & Exercise
PUBH 540	Social & Behavioral Science in Public Health
<b>Total Hours</b>	<b>38</b>

Minimum Required Grade: C