INTEGRATIVE PHYSIOLOGY M.S. - EXERCISE SCIENCE

Master of Science - Integrative Physiology - Exercise Science Concentration

Summary

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Course requirements</td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>Thesis/Internship/Professional Paper/Dissertation</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>Total Hours</td>
<td></td>
<td>38</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>HHP 520</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>HHP 525</td>
<td>Advanced Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>HHP 529</td>
<td>Advanced Exercise Physiology I</td>
<td>3</td>
</tr>
<tr>
<td>HHP 530</td>
<td>Advanced Exercise Physiology II</td>
<td>3</td>
</tr>
<tr>
<td>HHP 531</td>
<td>Lab Procedures In Exercise Science</td>
<td>3</td>
</tr>
<tr>
<td>HHP 594</td>
<td>Seminar</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>A graduate level statistics course</td>
<td>3</td>
</tr>
</tbody>
</table>

Option Requirements

Complete one of the following Options: 6

Research Option:

- HHP 699 Thesis/Dissertation

Applied Option:

Select one of the following:

- HHP 598 Internship
- HHP 599 Professional Paper
- HHP 699 Thesis/Dissertation
- Written Comprehensive Exam

Elective Course Requirements

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

Total Hours 38

Minimum Required Grade: C