PH.D. IN EXERCISE PHYSIOLOGY

https://kin.edu.miami.edu/graduate/doctoral/ep-phd/index.html

Overview

The Ph.D. in Exercise Physiology requires 72 credits.

Application Requirements

Admission to all graduate-degree concentrations in the School of Education and Human Development is based on the recommendation of the faculty. Admissions decisions are based on faculty review of the following general requirements that apply to **all** Graduate Programs in the School as well as specific documents listed under each concentration.

Applicants must:

- The GRE is required for admissions. Applicants must achieve acceptable scores on the GRE taken within the past five years. International applicants whose native language is not English or applicants whose degrees are from a non-U.S. University must pass the Test of English as a Foreign Language (TOEFL) or International English Language Testing Systems (IELTS) and the GRE;
- provide official transcripts showing completion of a bachelor's degree from an accredited institution and an acceptable undergraduate grade point average. A minimum of 3.0 undergraduate GPA is required. Official transcripts from every institution attended by an applicant, whether or not the applicant completed a degree program at the institution, are required;
- provide three letters of recommendation that address the issues and meet the criteria established by the program being applied to;
- provide a personal statement that addresses the mission and purpose of the program being applied to;
- resume;
- take part in an admissions interview (required by some programs); and
- exhibit personal and professional experiences and characteristics that are relevant to the profession and/or field and/or degree program for which the application is being submitted.

Doctor of Philosophy (Ph.D.)

In addition to the factors listed as general requirements for all applications to the SEHD's graduate programs, consideration for admission to the Ph.D. program will include the following:

- letters of recommendation should address the applicant's *academic* potential;
- available student space in the program;

International Applications

All international applications must provide additional information and meet additional requirements as required by the UM Graduate School and the Office of International Student and Scholar Services. For an appropriate link to these requirements, please visit the Graduate School website.

Admission Decision

Once an applicant has been admitted to graduate study, that individual should meet with the faculty advisor who was appointed to serve in that capacity and whose name appears in the admissions letter. This advisor will help the student enroll in courses that are appropriate to the program; to develop and to refine a Program of Study that must be on file in the Office of Graduate Studies by the end of the first academic year of enrollment.

Honor Code/Handbook of Policies and Procedures

The School of Education and Human Development follows the Graduate School's Honor Code. All students are required to review the Graduate Student Honor Code and the School of Education and Human Development's Handbook of Policies and Procedures for Graduate Students and submit the signed Acknowledgement of Receipt located on page 3 by the end of their first semester of enrollment.

Curriculum Requirements

Code	Title	Credit Hours
Required Core in the Major		**21**
KIN 621	Advanced Systemic Exercise Physiology	
KIN 630	Cellular Exercise Physiology	
KIN 631	Laboratory Techniques in Functional Evaluation of Skeletal Muscle	
KIN 679	Principles of Exercise Prescription/Assessment: Cardiovascular	
KIN 686	Exercise Prescription/Assessment Laboratory	
KIN 735	Methods in Biomechanical Analysis	

KIN 740	Neurophysiology in Exercise Science	
Restricted Electives		**9**
Select 9 credit hours of graduate KIN courses. [1]		
Unrestricted Electives		**3**
Select 3 credit hours of graduate coursework. [1]		
Outside Supporting Field		**12**
Select 12 credit hours from relevant supportive field. [2]		
Research Competencies (15 credit hours required)		**15**
KIN 746	Research Methods in Kinesiology and Sport Sciences	
EPS 700	Quantitative Methods I	
EPS 702	Quantitative Methods II	
EPS 7XX	Graduate Research Competency Elective	
EPS 7XX	Graduate Research Competency Elective	
Dissertation		
Select 12 credit hours of Dissertation		
KIN 830	Pre-Candidacy to Dissertation Research	6
KIN 840	Post-Candidacy Dissertation Research	6
Total Credit Hours		**72**

1 For further information, please contact the Graduate Program Director.

2 For guidance, please contact the Graduate Program Director.

* Coursework specialization is available in this program for persons interested in clinical and research orientation in the area of exercise physiology.

** 2/3 of all coursework must be at or above the 700 level. Students entering with a Master's degree in Exercise Physiology or a related degree must take a minimum of 30-credit hours of graduate coursework at the University of Miami in addition to 12-credit hours of dissertation.

Sample Plan of Study

This is a sample Plan of Study. Your actual course sequence may vary depending on your previous academic experience as well as current course offerings. Students should meet with their academic advisor each semester to determine the appropriate course selection.

Year One		
Fall		**Credit Hours**
KIN 630	Cellular Exercise Physiology	3
KIN 631	Laboratory Techniques in Functional Evaluation of Skeletal Muscle	3
KIN 679	Principles of Exercise Prescription/Assessment: Cardiovascular	3
	Credit Hours	**9**
Spring		
KIN 621	Advanced Systemic Exercise Physiology	3
KIN 686	Exercise Prescription/Assessment Laboratory	3
KIN 735	Methods in Biomechanical Analysis	3
	Credit Hours	**9**
Year Two		
Fall		
EPS 700	Quantitative Methods I	3
KIN 746	Research Methods in Kinesiology and Sport Sciences	3
Outside Supporting Field Course		3
	Credit Hours	**9**
Spring		
EPS 702	Quantitative Methods II	3
KIN 740	Neurophysiology in Exercise Science	3
Outside Supporting Field Course		3
	Credit Hours	**9**

Year Three		
Fall		
Outside Supporting Field Course		3
Outside Supporting Field Course		3
EPS 7XX Graduate Research Competency Elective		3
	Credit Hours	**9**
Spring		
EPS 7XX Graduate Research Competency Elective		3
Restricted Elective		3
Restricted Elective		3
	Credit Hours	**9**
Year Four		
Fall		
KIN 830	Pre-Candidacy to Dissertation Research	3
Restricted Elective		3
Unrestricted Elective		3
	Credit Hours	**9**
Spring		
KIN 840	Post-Candidacy Dissertation Research	3
	Credit Hours	**3**
Year Five		
Fall		
KIN 840	Post-Candidacy Dissertation Research	3
	Credit Hours	**3**
Spring		
KIN 840	Post-Candidacy Dissertation Research	3
	Credit Hours	**3**
	Total Credit Hours	**72**

Mission

The mission of the Ph.D. program in Exercise Physiology is to provide students with advanced knowledge, skills and competencies in the applied sciences concomitant with the ability to conduct advanced level research using laboratory proficiencies required of the field. Students will also learn to provide services related to health and wellness to our diverse Miami community.

Student Learning Outcomes

- Students will demonstrate advanced level knowledge, skills, and competencies in the field of Exercise Physiology.
- Students will be able to demonstrate advanced level clinical laboratory proficiencies required of the field of Exercise Physiology.
- Students will demonstrate proficiency in their ability to write intelligently about concepts and theory in Exercise Physiology and conduct scientific research in the field.
- Students will demonstrate proficiencies in their written and oral communication skills.