KINESIOLOGY, PH.D.

The PhD in Kinesiology requires a minimum of 60 semester hours. Some students are required to take additional hours beyond the minimum. Students may choose to take a general course of study in kinesiology or choose from four concentration areas: applied neuromechanics, exercise physiology, curriculum and pedagogy studies in physical education, and sport and exercise psychology. Students must complete a minimum of 24 hours in kinesiology, excluding dissertation hours.

In addition to the application materials required by The Graduate School, applicants must submit supplementary application materials required by the department.

Degree Program Requirements

Required: 60 credit hours

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Collateral Expertise

The student is expected to work on research projects beyond those required in courses and to demonstrate to the faculty of the Department that progress in these endeavors is satisfactory.

Research Techniques

With the approval of the Advisory Committee, select a minimum of 12 credits of course work focused on research techniques.

Dissertation

KIN 799  Dissertation  12

Electives

Select at least 36 credits *

* With the approval of the Advisory Committee, the student selects at least 36 hours of course work tailored to meet his/her particular academic goals. This should include course work in a specialized knowledge base and course work in other areas of kinesiology and/or other departments. For those seeking a concentration in applied neuromechanics, exercise physiology, curriculum and pedagogy studies in physical education, or sport and exercise psychology the 36 hours are designated as follows.

Applied Neuromechanics Concentration

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Concentration Core

KIN 643  Mechanical Analysis of Motor Skills  6
KIN 702  Research Seminar in Applied Neuromechanics  6
KIN 708  College Teaching in Kinesiology  6
KIN 709  Mentored Teaching in Kinesiology  6
KIN 719  Muscular Aspects of Exercise Physiology  6
KIN 730  Neural Aspects of Motor Control  6
KIN 795  Independent Doctoral Research  6
KIN 798  Doctoral Seminar in Grant Writing  6

Concentration Electives

Select a minimum of 12 credits of course work in other areas of Kinesiology with approval of the advisor.

Exercise Physiology Concentration

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Concentration Core

KIN 670  Physiology of Exercise  9
KIN 718  Cardiovascular Aspects of Exercise Physiology  9
KIN 719  Muscular Aspects of Exercise Physiology  9

Concentration Electives

Select 12 credits from the following:

KIN 576  Nutrition and Physical Fitness  3
KIN 650  Scientific Factors Affecting Human Performance  3
KIN 667  Exercise Electrocardiography and Cardiopulmonary Medications  3
KIN 668  Advanced Exercise Assessment  3
KIN 669  Advanced Exercise Prescription  3
KIN 675  Applied Human Work Physiology  3
KIN 679  Exercise and Older Adults: Advanced  3

Required Research Prior to Dissertation

Select a minimum of 6 credits from the following:

KIN 695  Independent Study  3
KIN 795  Independent Doctoral Research  3

Additional Electives

Select a minimum of 9 credits of course work in other areas of Kinesiology with approval of the advisor.

Curriculum and Pedagogy Studies in Physical Education Concentration

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Concentration Core

Select 18 credits from the following:

KIN 570  Development and Implementation of Fitness Programs  3
KIN 571  Physical Education for Individuals with Special Needs-Advanced  3
KIN 606  Workshops in Physical Education  3
KIN 613  The Meaning and Significance of Physical Education  3
KIN 617  Current Theories and Practice of Teaching Sports  3
KIN 646  Theoretical Considerations of Physical Education for Children  3
KIN 654  Seminar in Curriculum Development in Physical Education  3
KIN 656  Psycho-Social Aspects of Teaching Physical Education and Sport  3
KIN 657  Teacher Education in Physical Education  3
KIN 658  Multiculturalism and Physical Education Curriculum  3
KIN 663  Supervision of Physical Education  3
KIN 735  Program Evaluation and Evidence-Based Practice in Physical Activity Programs  3
KIN 707  Critical Analysis of Professional Literature in Pedagogical Kinesiology

KIN 731  Curriculum Development in Kinesiology

KIN 732  Analysis of Teaching and Learning

KIN 734  Measurement Theory Applied to Pedagogical Kinesiology

KIN 749  PE Learning and Motivation Advanced Seminar

KIN 785  Curriculum Theory in PE Advanced Seminar

**Concentration Electives**  
Select 18 credits of 600- to 700-level electives *

* With approval of the advisor, select course work that complements the specialized knowledge base relevant to the student's academic interest and career goals.

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**Sport and Exercise Psychology Concentration**

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<tr>
<td></td>
<td><strong>Concentration Core</strong></td>
<td>9</td>
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<td></td>
<td>Select 9 credits from the following: *</td>
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<tr>
<td>KIN 635</td>
<td>Gender Issues in Kinesiology</td>
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<tr>
<td>KIN 644</td>
<td>Psychology of Sport and Exercise</td>
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<tr>
<td>KIN 645</td>
<td>Exercise Psychology</td>
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<tr>
<td>KIN 695</td>
<td>Independent Study</td>
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<tr>
<td>KIN 724</td>
<td>Physical Activity and Health</td>
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<td>KIN 743</td>
<td>Psychological Aspects of Sport Injury</td>
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<td>KIN 744</td>
<td>Applied Sport Psychology</td>
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<tr>
<td>KIN 745</td>
<td>Seminar: Social Psychology and Physical Activity</td>
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<tr>
<td>KIN 746</td>
<td>Practicum in Applied Sport and Exercise Psychology</td>
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<tr>
<td>KIN 748</td>
<td>Advanced Topics in Sport Exercise and Psychology</td>
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<tr>
<td>KIN 795</td>
<td>Independent Doctoral Research</td>
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**Concentration Electives**  
Select a minimum of 27 credits of elective course work with approval of the advisor

* Specialization area courses relate to the student's research focus and sport/exercise psychology interests. Course work should include advanced sport/exercise psychology courses (e.g. KIN 744 Applied Sport Psychology, KIN 745 Seminar: Social Psychology and Physical Activity, advanced topics).

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**Residency**

The Department does not recognize summer session as part of the residency requirement for PhD students. Two consecutive 15-week semesters of study in which a student is enrolled for a minimum of 6 hours of course work each term is needed to satisfy the residency requirement. Course work taken in summer sessions may, of course, be included in a student's program.

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**Formal Reviews and Examinations**

The student must pass each of the reviews and examinations listed below. See this catalog and the KIN Graduate web site for details.

- Approval of Plan of Study
- Preliminary examination
- Dissertation proposal approval