



Health and Exercise Science (KINESIO-PH, HEN)

Specialization leading to Doctor of Philosophy in Kinesiology

Core Requirements (9 hours)

KINESIO 6891	Kinesiology Graduate Core Course I (3)
KINESIO 6892	Kinesiology Graduate Core Course II (3)

Select one of the following two courses to complete the Kinesiology Core.)

KNSISM 6807	Sport Law (3)
KNPE 7863	Teaching Health and Fitness Courses at the College Level (3)

Research Core (choose four, minimum 12 hours)

Consult with advisor and committee to select four courses from the list below or other research courses offered at the University

Quantitative

ESQREM 6641	Introduction to Educational Statistics (4)
ESQREM 6661	Intro to Educational Measurement (3)
ESQREM 7627	Sampling Designs and Survey Research Methods (3)
ESQREM 7631	Applied Evaluation Design (3)
ESQREM 7635	Advanced Research Methods (3)
ESQREM 7643	Categorical Data Analysis (3)
ESQREM 7648	Univariate Experimental Designs (4)
ESQREM 7651	Regression Analysis (3)
ESQREM 7661	Instrument Construction (3)
ESQREM 8648	Multivariate Experimental Designs (4)
ESQREM 8657	Factor and Cluster Analyses (3)
ESQREM 8658	Applied Multilevel Data Analysis (3)
ESQREM 8659	Structural Equation Modeling (3)
ESQREM 8674	Scaling and Item Response Theory (3)

Qualitative

ESQUAL 8210	Qualitative Research: The Analysis of Interaction in Educational Settings (3)
ESQUAL 8211	Analysis of Classroom Discourse (3)
ESQUAL 8280	Qualitative Research in Education: Paradigms, Theories, and Exemplars (3)
ESQUAL 8290	Qualitative Research in Education: Practicum in Methods and Analysis (3)

Single Subject

ESSPED 8861	Behavioral Research Methods in Applied Settings (3)
ESSPED 8871	Behaviorism: Schedules and Translational Research (3)
ESSPED 8874	Behavioral Research in Education (3)

Minimum hours
post-MA/MS: 54-55

For More Information:
Department of Human
Sciences
135 B Campbell Hall
1786 Neil Avenue
614.292.6787
kinesiology@osu.edu

Research Core options continued

Sociology 6608	Qualitative Methods in Sociology (3)
AAE 8860	Research Design (2)
AAE 8870	Analysis and Interpretation of Data (2)
AAE 8880	Instrumentation and Procedures for Data Collection (2)
AAE 8890	Applied Regression Analysis (2)
AAE 8895	Applied Data Reduction Techniques (2)
HISTORY 7900	Colloquium in the Philosophy of History, Historiography, & the Historian's Skills I (3)
HISTORY 7901	Colloquium in the Philosophy of History, Historiography, & the Historian's Skills II (3)

Specialization Requirements (9 hours)

KNHES 5661.01	Beginning Labs in Exercise Physiology (1) <i>(unless taken previously)</i>
KNHES 5661.02	Intermediate Labs in Exercise Physiology (1) <i>(unless taken previously)</i>
KNHES 5685	Adult Exercise Programming: Implementation (3)
KNHES 7896	Colloquium: Health and Exercise Science (4)

Concentration Specific Courses (12 or 13 hours minimum)

Select one of the following concentrations.

Exercise Science Concentration (13 hours)

Required Course (4 hours)

KNHES 7714	Advanced Physiology of Exercise (4)
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Supporting Courses (choose three, 9 hours)

KNHES 8867	Biochemical Methods for Assessment of Human Performance (3)
HUMNNTR 8802	Advanced Micronutrient Metabolism (3)
KNHES 8803	Seminar in Exercise Metabolism (3)
KNHES 8804	Skeletal Muscle Structure, Function, and Plasticity (3)

Physical Activity Behavior Concentration (12 hours)

Required Course (12 hours)

KNHES 7713	Foundations of Physical Activity Behavior (3)
KNHES 7720	Measurement in Physical Activity Behavior (3)
KNHES 7726	Changing Physical Activity Behavior (3)
KNHES 8801	Seminar in Physical Activity Behavior (3)

Flexibility Requirement (6 hours)

This coursework may be from inside or outside of the program, but should extend the breadth of disciplinary knowledge. Courses are selected in consultation with faculty advisor and committee. Examples of areas of study for Health and Exercise Science include statistics/research, public health, psychology, physiology/ cell biology, or nutrition.

Dissertation Requirement (6 hours)

Consult with faculty advisor

KNHES 8999	Dissertation/Thesis Research: Health and Exercise Science (minimum 6)
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Note: Students exact curriculum may vary depending upon program of study determined by student and advisor, and approved by the Graduate Studies Committee.