



SCHOOL OF HEALTH, PHYSICAL
EDUCATION, AND RECREATION

INDIANA UNIVERSITY

Exercise Physiology

Master of Science in Kinesiology degree (35 cr.)
3.0 GPA required for graduation, Minimum C- in each course
Effective for students matriculating fall 2004
Department of Kinesiology – HPER 112 – (812) 855-5523

Required Core Courses

Credit Hrs.	Course Number	Course Title
3	HPER-K 530	Mechanical Analysis of Human Performance ^{1, 2}
3	HPER-K 542	Neuromuscular Control of Movement ¹
3	HPER-K 635	Cardiovascular & Respiratory Physiology of Exercise
3	HPER-K 636	Cardio-Pulmonary Assessment Lab
3	HPER-K 638	Biochemical Adaptations to Exercise
2	HPER-K 639	Laboratory Techniques for Exercise Biochemistry
3	HPER-K 690	Seminar in Human Performance
3	HPER-T 590	Introduction to Research in Health, Kinesiology, & Recreation
3	HPER-T 591	Interpretation of Data in Health, Kinesiology, and Recreation OR
	HPER-T 592	Statistical Techniques of Research in Health, Kinesiology, and Recreation

Elective Courses 3

3	BIOL-L 313	Cell Biology Laboratory
3	BIOL-T 567	Cell Physiology
3	BIOL-Z 466	Endocrinology
3	CHEM-C 341	Organic Chemistry Lectures 1 AND
3	CHEM-C 342	Organic Chemistry Lectures 2
3	CHEM-C 483	Biological Chemistry
3	CHEM-C 484	Biomolecules and Catabolism
3	CHEM-C 485	Biosynthesis and Physiology
3	HPER-K 506	Computer Applications in Kinesiology
3	HPER-K 531	Measurements and Analysis of Physiological Signals – EMG
3	HPER-K 533	Advanced Theories in High-Level Performance
3	HPER-K 562	Exercise prescription in Health and Disease I
3	HPER-K 563	Cardiac Assess Exercise Testing
3	HPER-K 564	Exercise Prescription in Health and Disease II
3	HPER-K 602	Independent Study and Research
3	HPER-N 620	Nutrition in Sports
3	HPER-K 600	Masters Thesis
3	PHSL-P 431	Mammalian Physiology
3	PHSL-P 531	Human Physiology 1
1-5	PHSL-P 532	Human Physiology 2

¹ If taken at IU, must take next higher.

² K530 requires a “B” or higher to count toward an M.S. degree.

³ Alternative electives may be selected with approval of advisor.