SCHOOL OF HEALTH, PHYSICAL EDUCATION, AND RECREATION

INDIANA UNIVERSITY

Biomechanics

Master of Science in Kinesiology degree (35 cr.)
3.0 GPA required for graduation, Minimum C- in each course
Minimum 20 credits in the Department of Kinesiology
Effective for students matriculating fall 2004
Department of Kinesiology – HPER 112 – (812) 855-5523

Required Core Courses:		Credit	Courses Selected
HPER-T 590	Introduction to Research in HPER	3	_____
HPER-T 591	Interpretation of Data in HPER [1]	3	_____
HPER-K 530	Mechanical Analysis of Human Performance	3	_____
HPER-K 535	Physiological Basis of Human Performance	3	_____

Select one of the following courses:

HPER-K 541	Nature and Basis of Motor Skill **OR**		
HPER-K 542	Neuromuscular Control of Movement **OR**		
HPER-K 543	Cortical Control of Human Movement	3	_____

Required Biomechanics Emphasis Courses (select a minimum of 9 credits):

HPER-K 531	Measurement and Analysis of Physiological Signals --EMG	3	_____
HPER-K 532	Clinical Biomechanics --Gait	3	_____
HPER-K 630	Biomechanics of Human Performance	3	_____
HPER-K 631	Quantitative Mechanical Analysis of Human Motion	3	_____
HPER-K 601	Readings in Kinesiology	1	_____
HPER-K 602	Independent Study and Research	2	_____

Elective Courses: [2]

HPER-K 705	Experimental Laboratory Techniques: 3D Filming	3	_____
HPER-K 600	Master's Thesis	ARR	_____
HPER-K 541	Nature and Basis of Motor Skill	3	_____
HPER-K 542	Neuromuscular Control of Movement	3	_____
HPER-K 543	Cortical Control of Human Movement	3	_____
HPER-K 641	Topics in Motor Integration	3	_____
HPER-K 690	Seminar in Human Performance	3	_____
HPER-K 636	Cardiopulmonary Assessment Lab	3	_____
HPER-K 533	Advanced Theories of High Level Performance	3	_____
HPER-K 650	Rehabilitation of Persons with Disabiities	3	_____
HPER-K 524	Exercise and Physical Activity for People with Disabilities	3	_____
HPER-K 598	Ergonomics	3	_____
HPER-K 599	Cognitive Ergonomics	3	_____
HPER-T 592	Statistical Techniques of Research in HPER	3	_____
HPER-T 691	Correlational Techniques	3	_____
HPER-T 693	Experimental Analysis and Design	3	_____
CSCI-A 592	Introduction to Software Systems	3	_____
CSCI-A 593	Computer Structures	3	_____
CSCI-A 594	Data Structures	3	_____
CSCI-A 597	Introduction to Programming I	3	_____

[1] It is strongly recommended that this course be replaced with HPER-T 592.
[2] Additional electives may be selected with approval of advisor.

I elect the Biomechanics Emphasis in partial fulfillment of the requirements of the Master of Science degree in Kinesiology.

Name _____

Advisor _____

Date _____