

APPLIED PHYSIOLOGY AND KINESIOLOGY

Program Information

Graduate study in Applied Physiology and Kinesiology (APK) is focused on research in concentration areas including: athletic training; biomechanics; motor control and learning; exercise physiology; and performance psychology. Graduate students are exposed to and directly involved in research covering the full multidisciplinary spectrum of human potential from young to old, fit to unfit, healthy to diseased, able-bodied to disabled, and from the casual recreational participant to the high-level athlete. In addition to human performance issues, APK faculty and students study the immediate and lasting effects of exercise and its use in disease prevention and rehabilitation.

For more information, please see our website: <http://apk.hhp.ufl.edu/index.php/current-students/prospective-students> (<http://apk.hhp.ufl.edu/index.php/current-students/prospective-students/>).

Degrees Offered

Degrees Offered with a Major in Applied Physiology and Kinesiology

- Master of Science
 - without a concentration
 - concentration in Athletic Training/Sports Medicine
 - concentration in Biobehavioral Science
 - concentration in Clinical Exercise Physiology
 - concentration in Exercise Physiology
 - concentration in Human Performance

Requirements for these degrees are given in the Graduate Degrees (<http://catalog.ufl.edu/graduate/degrees/>) section of this catalog.

Courses

Applied Physiology and Kinesiology Departmental Courses

Code	Title	Credits
APK 5102	Kinetic Anatomy	3
APK 5127	Assessment in Exercise Science	3
APK 5404	Sport Psychology	3
APK 6116C	Physiological Bases of Exercise and Sport Sciences	3
APK 6118	Neuromuscular Adaptation to Exercise	3
APK 6126	Cardiopulmonary Pathologies	3
APK 6128	EKG Interpretation	3
APK 6145	Movement Disorders	3
APK 6167	Nutrition Aspects of Human Performance	3
APK 6170	Advanced Exercise Physiology	3
APK 6176	Strength and Conditioning	3
APK 6205C	Nature and Bases of Motor Performance	3
APK 6206	Planning Motor Actions	3
APK 6225	Biomechanical Instrumentation	3
APK 6226C	Biomechanics of Human Motion	3
APK 6406	Exercise Psychology	3
APK 6408	Performance Enhancement	3

APK 6900	Directed Independent Study	1-5
APK 6940	Advanced Practicum in Exercise and Sport Science	1-5
APK 7107	Cardiovascular Exercise Physiology	3
APK 7108	Environmental Stress Exercise Physiology	3
APK 7117	Exercise Metabolism	3
ATR 6124	Clinical Anatomy for the Exercise Sciences	3
ATR 6145	Human Pathophysiology for the Exercise Sciences	3
ATR 6215	Evidence-Based Orthopedic Exam I: Upper-Extremity	3
ATR 6216	Evidence-Based Orthopedic Exam II: Lower-Extremity	3
ATR 6304	Rehabilitation and Modalities of Athletic Injuries	3
ATR 6624	Athletic Training Research and Technology I	3
ATR 6625	Athletic Training Research and Technology II	3
ATR 6934	Seminar in Athletic Training	3
ATR 7108C	Clinical Management in Athletic Training	3
ATR 7128C	Advanced Cadaveric Dissection	3
ATR 7209C	Movement Screening and Assessment	3
ATR 7210C	Evidence Based Musculoskeletal Examination I	3
ATR 7211C	Evidence Based Musculoskeletal Examination II	3
ATR 7229C	Diagnostic Imaging for Athletic Trainers	3
ATR 7300C	Evidence Based Therapeutic Intervention	3
ATR 7318C	Sport Performance and Intervention	3
ATR 7438C	Clinical Techniques and Pharmacology for Athletic Trainers I	3
ATR 7439C	Clinical Techniques and Pharmacology for Athletic Trainers II	3
ATR 7509	Leadership and Mentoring in AT Clinical Practice	3
ATR 7519	Administration in Athletic Training	3
ATR 7628	Clinical Research in Athletic Training I	3
ATR 7629	Clinical Research in Athletic Training II	3
ATR 7818C	Advanced Clinical Experience I	3
ATR 7828C	Advanced Clinical Experience II	3
ATR 7838C	Advanced Clinical Experience III	3
ATR 7848C	Advanced Clinical Experience IV	3
HLP 6515	Evaluation Procedures in Health and Human Performance	3
HLP 6535	Research Methods in Health and Human Performance	3
HLP 6911	Research Seminar	1
HLP 6935	Variable International Topics	1-6
HLP 7939	HHP PhD Professional Development Seminar	3
HLP 7979	Advanced Research in Health and Human Performance	1-12
HLP 7980	Research for Doctoral Dissertation	1-15
PET 5936	Special Topics/Seminars	1-3
PET 6910	Supervised Research	1-5
PET 6947	Graduate Internship in Exercise and Sport Sciences	3-9
PET 6971	Research for Master's Thesis	1-15
SPM 5206	Sport Ethics	3
SPM 5309	Sport Marketing	3
SPM 5506	Sport Finance	3
SPM 6036	Research Seminar in Sport Management	3
SPM 6106	Management and Planning of Sport and Physical Activity Facilities	3

SPM 6158	Management and Leadership in Sport	3
SPM 6726	Issues in Sport Law	3

Student Learning Outcomes

Applied Physiology & Kinesiology (MS)

SLO 1 Subject Matter

Discuss, explain, and defend subject matter relevant to the discipline – exercise physiology, biobehavioral science, clinical exercise physiology, human performance, athletic training

SLO 2 Discipline specific skills

Discuss, explain, and defend in the discipline specific skills - exercise physiology, biobehavioral science, clinical exercise physiology, human performance, athletic training

SLO 3 Professional Behavior

Display ethical behavior, cultural sensitivity, team work, professional conduct and professional communication