

# Sports Medicine Program

Department of Kinesiology



## Faculty Advisor

\*Augusto X. Rodriguez, Ph.D.

axr1@rice.edu

713.348.8817

\*Amanda Perkins-Ball, Ph.D.

aperkinsball@rice.edu

713.348.2188

## SPORTS MEDICINE PROGRAM REQUIREMENTS

### Required Courses

HEAL 103	(3)	Nutrition
KINE 300	(3)	Human Anatomy
KINE 301	(3)	Human Physiology
KINE 302	(3)	Biomechanics
KINE 310	(3)	Psychological Aspects of Sport and Exercise
KINE 311	(3)	Motor Learning
KINE 319	(3)	Statistics for the Health Professional
KINE 321	(3)	Exercise Physiology (Prerequisite: KINE 300 & KINE 301)
KINE 323	(1)	Exercise Physiology Lab (Concurrent with KINE 321)
KINE 440	(3)	Research Methods (Prerequisite: KINE 319)

***Total Core Lecture Hours: (28)***

### Electives

#### **KINE/HEAL Courses:**

KINE 120	(3)	Foundations of Kinesiology
HEAL 132	(3)	Medical Terminology
KINE 326	(3)	Exercise Epidemiology
KINE 351	(1)	Human Anatomy Lab
KINE 375	(1-3)	Internship in Sports Medicine/Exercise Science**
KINE 403	(3)	Sports Nutrition
HEAL 407	(3)	Epidemiology
KINE 410	(3)	Case Studies in Human Performance
KINE 412	(3)	Motor Control (Prerequisite: KINE 311)
KINE 421	(3)	Advanced Topics in Exercise Physiology and Preventive Medicine (Prerequisite: KINE 321)
KINE 430	(3)	Sports Injury: Evaluation, Management, & Treatment
KINE 441	(3)	Muscle Physiology and Plasticity (Prerequisite: KINE 321)
KINE 495	(1-3)	Independent Research**
KINE 498	(1-3)	Special Topics in Sports Medicine
KINE 499	(1-3)	Teaching Practicum

***Course information continued on back.***

**Non-KINE Courses:**

BIOC 201	(3)	Introductory Biology
EBIO 202	(3)	Introductory Biology II
BIOC 211	(3)	Introductory Experimental Biosciences
BIOC 301	(3)	Biochemistry I
BIOC 302	(3)	Biochemistry II
BIOC 311	(3)	Advanced Experimental Biosciences
BIOC 313	(3)	Introductory Synthetic Bio
BIOC 372	(3)	Immunology
CHEM 121/123	(4)	General Chemistry I with Lab
CHEM 122/124	(4)	General Chemistry II with Lab
CHEM 151/153	(4)	Honors Chemistry I with Lab
CHEM 152/154	(4)	Honors Chemistry II with Lab
PHYS 101	(4)	Mechanics with Lab
PHYS 102	(4)	Electricity and Magnetism with Lab
PHYS 125	(4)	General Physics I with Lab
PHYS 126	(4)	General Physics II with Lab
PSYC 202	(3)	Introduction to Social Psychology
PSYC 203	(3)	Introduction to Cognitive Psychology
PSYC 321	(3)	Development Psychology

***Total Elective Hours: (15)***

**Total Hours: (43)**

\*15 hours of electives must be selected from the list. Independent Study or Internship will satisfy up to 3 hours of required electives. In addition, students are urged to take additional elective in 3 different disciplines of the Natural Sciences.

\*\*Prerequisite: Approval by Faculty Advisor

