

UNIVERSITY OF ARKANSAS

Department of Health, Human Performance and Recreation

MASTER OF SCIENCE DEGREE IN KINESIOLOGY CONCENTRATION IN EXERCISE SCIENCE

REQUIRED RESEARCH COMPONENT (6 CREDITS):

- ESRM 5593 Applied Educational Statistics **or**
- ESRM 6403 Elementary Statistics and Data Processing Applied to Education
- HHPR 5353 Research in HHPR

REQUIRED CORE COURSES (9 CREDITS):

- EXSC 5513 Physiology of Exercise I
- EXSC 5323 Biomechanics I
- EXSC 5593 Practicum in Laboratory Instrumentation

REQUIRED PROJECT OR THESES (3-6 CREDITS):

- EXSC 589V (Independent Research – Master’s degree project – 3 credits) **or**
- EXSC 600V (Master’s Thesis – 6 credits)

APPROVED ELECTIVES (12-15 CREDITS):

Exercise Physiology, Biomechanics and Exercise Management

There are three specialization areas within the Exercise Science Concentration. Students select course with the consent of advisor based upon one of three areas. Below is a list of suggested courses.

- EXSC 5333 Instrumentation in Biomechanics
- EXSC 5353 Exercise Psychology
- EXSC 5443 Seminar in Brain Injury and Behavior
- EXSC 5523 Metabolism in Exercise
- EXSC 5533 Cardiac Rehabilitation
- EXSC 5543 Cardiovascular Function in Exercise
- EXSC 5613 Physical Dimensions of Aging
- EXSC 5643 Advanced Psychology of Sports Injury & Rehabilitation
- EXSC 5773 Performance and Drugs
- EXSC 6313 Muscle Physiology
- EXSC 6323 Biomechanics II
- EXSC 6343 Physiology of Exercise II
- EXSC 6443 Thermoregulation & Fluid Balance

TOTAL CREDITS REQUIRED FOR DEGREE: 33 CREDITS

Graduate Coordinator
Department of Health, Human Performance and Recreation
University of Arkansas
Fayetteville, AR 72701
(479) 575-2858

Last Revision 11/12/2015

The University of Arkansas is an equal opportunity/affirmative action institution