

DEPARTMENT OF KINESIOLOGY

Master of Science (M.S.) Degree Program in Physical Education

Concentration: Exercise Science (33 to 36 credit hours)

Emphases in 1.) Clinical Exercise Physiology, and 2.) Strength and Conditioning

Research Requirement (9 to 12 hours):

KI 8303: Research in Kinesiology

KI 8313: Interpretation of Data in Kinesiology

Option 1: KI 8006: Thesis, 6 credit hours

Option 2: KI 7003: Directed Individual Study, 3 credit hours

Option 3: Additional 6 credit hours of course work (36 total hours for the M.S. degree)

* Students completing a thesis or Directed Individual study must complete a total of 33 credit hours for the

Master of Science degree. Students who do not complete a thesis or a Directed Individual Study project,

must complete 36 credit hours for the M.S. degree.

Core Courses (9 hours):

EP 8243: Cardiorespiratory Exercise Physiology

EP 8263: Exercise Biochemistry

EP 8273: Laboratory Instrumentation

Area of Emphasis 1:

Clinical Exercise Physiology (6 hours):

EP 8323: Science and Practice in Cardiopulmonary Rehabilitation

EP 8423: Graded Exercise Testing

Area of Emphasis 2:

Strength and Conditioning (6 hours):

EP 6153: Training Techniques for Exercise and Sport

EP 8253: Doping and Supplement Use in Sport

**Courses from the other Area of Emphasis may be selected for elective courses.

Elective Courses (6 to 12 hours)*:**

KI 8710: Internship

PE 8163: Seminar in Physical Education

NTR 6253: Human Nutrition I

*** Other courses may be selected in consultation with advisor.