Sample Masters of Science Curriculum – Rehabilitation Sciences

General Course Requirements – Master of Science (MS) (39-42 hours)

- Public Health (3 hours)
- Epidemiology (3 hours)
- Exercise Science (15-21 hours)
- Research/Statistical Methods (3-9 hours)
- Electives (6-12 hours)
- Project (3 hours) or Thesis (6 hours)

Required Courses for All Exercise Science MS Students (9 hours)

- PUBH 700 – Perspectives in Public Health or equivalent (3hr, Fall or Spring)
- EPID 700 – Introduction to Epidemiology or equivalent (3hr, Fall, Spring or Summer)
- BIOS 700 – Introduction to biostatistics or equivalent (3hr, Fall, Spring or Summer)

Required Courses for Rehabilitation Sciences (9 hours)

- EXSC 535 – Biomechanics of Human Movement (3hr, Fall or Spring)
- EXSC 731 – Mechanisms of Motor Skill Performance (3hr, Fall)
- EXSC 808 – Neural Repair and Rehabilitation (3hr, Spring)

Advisor Approved Elective Courses for Rehabilitation Sciences (9-12 hours)

- EXSC 563 – Physical Activity and the Physical Dimensions of Aging (3hr, Fall or Spring)
- EXSC 585 – Women’s Health and Physical Activity (3hr, Fall or Spring)
- EXSC 666 – Cardiorespiratory Exercise Physiology (3hr, Fall or Spring)
- EXSC 669 – Skeletal Muscle Physiology: Form and Function (3hr, Fall or Spring)
- EXSC 700 – Physical Activity and Health: Epidemiology, Research and Practice (3hr)
- EXSC 710 – Behavioral Aspects of Physical Activity (3hr, Spring)
- EXSC 755 – Neural Basis of Skilled Motor Behavior (3h, Spring)
- EXSC 777 – Endocrinology in Exercise and Health (3hr, Fall)
- EXSC 780 – Physiology of Exercise (3hr, Fall)
- EXSC 781 – Physiology, Exercise and Disease (3hr, Spring)
- PHYT 788 – Evidence Based Practice in Physical Therapy (3hr, Spring)
- RHAB 540 – Assistive and Adaptive Technology (3hr, Fall)
- RHAB 710 – Medical Aspects of Rehabilitation (3hr, Fall or Spring)
- PHPH 750 – Fundamental Neuroscience I (4h, Fall)
- BIOS 757 – Intermediate Biostatistics (3hr, Fall, Spring or Summer)

Research (3 or 6 hours)

- EXSC 799 – Thesis (6hr, Fall, Spring or Summer)
- EXSC 798 – Project (3hr, Fall, Spring or Summer)

Total: 39-42 Credits