

**Sample 4-Year PhD Program of Study  
Sports Medicine Concentration / Applied Neuromechanics Track**

<b>Year 1</b>	
<b>Fall</b>	ERM 680 Intermediate Statistics (3 hours) ESS 670 Exercise Physiology (3 hours) ESS 648 Learning and Performance of Physical Skills (3 hours)
<b>Spring</b>	ERM 681 Design and Analysis of Educational Experiments (3 hours) ESS 643 Mechanical Analysis of Motor Skills (3 hours) ESS 697 Field (Laboratory) Practicum (3 hours)
<b>Research Activities</b>	Demonstrate interest and engagement in research and other scholarly activities Gain competence in laboratory instrumentation (ESS 697) Attend weekly laboratory meetings Appointment of Doctoral Advisory Committee and Approval of Plan of Study
<b>Year 2</b>	
<b>Fall Courses</b>	ERM 682 Multivariate Analysis (3 hours) ESS 695 Independent Study (3 hours) ESS 708 College Teaching in Exercise and Sport Science (1 hour) ESS 709 Mentored Teaching in Exercise and Sport Science (2 hours)
<b>Spring Courses</b>	ERM 728 Factor Analysis and Multidimensional Scaling (3 hour) <b>or equivalent*</b> ESS 702 Research Seminar in Applied Neuromechanics (1 hour) ESS 730 Neural Aspects of Motor Control (3 hours)
<b>Research / Teaching Activities</b>	Initial development of an independent research agenda (ESS 695) Mentored Teaching Experience in Course consistent with Sub-Discipline Continued participation/engagement in collaborative research activities
<b>Year 3</b>	
<b>Fall Courses</b>	ESS 702 Research Seminar in Applied Neuromechanics (1 hour) ESS 795 Directed Doctoral Research (3 hours) ESS 798 Doctoral Seminar in Grant Writing (3 hours)
<b>Spring Courses</b>	ESS 677 Muscular Aspects of Exercise Physiology (3 hours) ESS 702 Research Seminar in Applied Neuromechanics (1 hour) ESS 795 Directed Doctoral Research (3 hours)
<b>Research / Teaching Activities</b>	Continued engagement in collaborative research activities Teaching assistant for laboratory or lecture courses in sports medicine and athletic training Demonstrate research independence through a comprehensive research project Completion of Doctoral Comprehensive Exam Begin development of Dissertation Proposal
<b>Year 4</b>	
<b>Fall Courses</b>	ESS 799 Dissertation Hours (6 hours)
<b>Spring Courses</b>	ESS 799 Dissertation Hours (6 hours)
<b>Research / Teaching Activities</b>	Proposal (late spring year 3 / early fall year 4) and Completion of Dissertation Research Continued engagement in collaborative research activities Primary Teaching Role in Sub-Discipline or Activity Course

*\*This outline serves only as an example. The actual program of study, including coursework and direction of research activities will be determined by the student's Doctoral Advisory Committee.*