Preliminary **Plan of Study**
PhD in Rehabilitation Science
Department of Physical Therapy and Rehabilitation Science

Name:		**UID#:**
Specialty Focus:		**Advisor:**
Previous Education (year/degree/school):		

Note: The Preliminary Plan of Study must be approved within the first 9 sh of graduate study at The University of Iowa

1. Core Content Requirements:

Course	Title	Projected Completion Date	s.h.	Grade
CITI (Human Subjects Protections Training)	Online, web-based training must be completed before enrolling in SI/RCR courses https://hso.research.uiowa.edu/certifications-human-subjects-protections-citi		0	
PTRS:7812	Biomedical Instrumentation and Measurement		3	
PTRS:7820	Seminar in Rehabilitation Science*		1/1*	
PTRS:7880	Teaching Practicum		1	
BIOS:5120/OR STAT:5610	Regression Modeling and ANOVA in the Health Sciences		3	
BMED:7270	Scholarly Integrity/Responsible Conduct of Research I		0	
BMED:7271	Scholarly Integrity/Responsible Conduct of Research II		0	
PSQF:7385/OR EDTL:7385/OR EPLS:7385/OR GRAD:7385/OR RCE:7385	Teaching and Learning in Higher Education		3	
BIOS:4120/OR STAT:4143/OR PSQF4143	Introduction to Biostatistics		3	
Total Semester Hours for Core Content Requirements = 15 s.h.				

* Must be taken for credit for at least two semesters (2 s.h. total)

2. Research Content Requirements. Twenty-seven (27) or more semester hours must be taken from the following research courses:

Course	Title	Projected Completion Date	s.h.	Grade
PTRS:TBD	TBD: New faculty will teach research writing course in lieu of HHP:3900/PTRS:7826		3	
PTRS:7884	Practicum in Research		Arr.	
PTRS:7895	Advanced Seminar in Rehabilitation Science *(taken in preparation for the comprehensive examination)*		2	
PTRS:7900	Rehabilitation Research Capstone Project **		Arr.	
PTRS:7927	Research in Rehabilitation Science		Arr.	
PTRS:7930	Critical Thinking in Neuro-Mechanical Systems		Arr.	
PTRS:7931	Critical Thinking in Pain		Arr.	
PTRS:7932	Critical Thinking in Biomechanics		Arr.	
PTRS:7933	Critical Thinking in Movement Control/Human Performance		Arr.	
PTRS:7934	Critical Thinking in Neural Plasticity		Arr.	
PTRS:7935	Critical Thinking in Movement Science		Arr.	
PTRS:7936	Critical Thinking in Cardiovascular Physiology		Arr.	
PTRS:7990	Thesis in Rehabilitation Science *(taken in preparation for the PhD dissertation)*		Arr.	
Total Semester Hours for Research Content Requirements = ≥27 s.h.				

** Required for all students entering with a bachelor's level education; recommended but not required for students entering with a master's or doctoral level education.

3. Special Content Requirements. Nine (9) or more semester hours must be taken within the student's scientific specialty area. A list of possible course options is provided on the next page, but other courses deemed more suitable to the student's background, knowledge and interest area will be considered. Refer to the UI General Catalog and consult with your advisor; all courses are subject to change.

Course	Title	Projected Completion Date	s.h.	Grade
Total Semester Hours for Specialty Content Requirements = ≥9 s.h.				

Summary:
Core Content Hours (15):
Research Content Hours (≥27):
Specialty Content Hours (≥9):
Total Required Hours (72):

Credits beyond the 50 specified within the Core, Specialty and Research Content areas may be earned by taking additional credits in the Research and/or Specialty Content areas. Transfer of graduate credits from other programs will also be considered.

APPROVAL SIGNATURES

Student: _____ Date _____

Adviser: _____ Date _____

Chair of Committee: _____ Date _____

Chair & DEO of PTRS: _____ Date _____

A list of possible course options is provided below, but other courses deemed more suitable to the student's background knowledge and interest area will be considered. Refer to the UI General Catalog and consult with your advisor; all courses are subject to change.

Course	Title	s.h.
Offerings from Anatomy and Cell Biology		
ACB:8401	Advanced Human Anatomy	arr.
Offerings from Epidemiology		
EPID:6900	Design of Intervention and Clinical Trials	3 s.h.
Offerings from Health and Human Physiology		
HHP:6130	Advanced Skeletal Muscle Physiology	1-3 s.h.
HHP:6150	Advanced Clinical Exercise Physiology	1-3 s.h.
HHP:6300	Seminar in Motor Control	1 s.h.
HHP:6410	Advanced Exercise Physiology	1-3 s.h.
HHP:6460	Advanced Cardiovascular Physiology	1-3 s.h.
HHP:6470	Advanced Physiology of Aging	1-3 s.h.
HHP:6480	Advanced Human Pharmacology	1-3 s.h.
Offerings from Neuroscience		
NSCI:7235	Neurobiology of Disease	3 s.h.
Offerings from Nursing		
NURS:3460	Professional Role II: Research	3 s.h.
Offerings from Occupational and Environmental Health		
OEH:4310	Occupational Ergonomics: Principles	3 s.h.
OEH:6310	Occupational Ergonomics: Applications	3 s.h.
Offerings from Pharmacology		
PCOL:5137	Neurotransmitters	1 s.h.
PCOL:6207	Ion Channel Pharmacology	1 s.h.
PCOL:6250	Advanced Problem Solving in Pharmacological Sciences	1 s.h.
Offerings from Physical Therapy & Rehabilitation Science		
PTRS:5206	Cardiopulmonary Therapeutics	3 s.h.
PTRS:5210	Kinesiology and Pathomechanics	4 s.h.
PTRS:6224	Activity-Based Neural and Musculoskeletal Plasticity in Health Care	4 s.h.
PTRS:6250	Critical Inquiry I: Evidence-Based Practice	2 s.h.
PTRS:6251	Critical Inquiry II: Rehabilitation Research	2 s.h.
PTRS:6253	Functional Neuroanatomy	4 s.h.
PTRS:7875	Analysis of Activity-Based Neural and Musculoskeletal Plasticity	3 s.h.
PTRS:7899	Introduction to Pain: Overview of Theories, Concepts, and Mechanisms	1 s.h.
PTRS:7901	Clinical Correlates of Pain: Syndromes and Management	1 s.h.
PTRS:7902	Molecular, Cellular, and Neural Mechanisms of Pain	1 s.h.
PTRS:7903	Rehabilitation Management of Pain	1 s.h.