

Preliminary
PhD in Rehabilitation Science
Plan of Study

GRADUATE PROGRAM IN PHYSICAL THERAPY & REHABILITATION SCIENCE

The student's plan of study must be approved within the first 9 sh of graduate study at The University of Iowa.

Name: UID#:

Specialty Focus:

Adviser:

Previous Education:

Year/Degree/School

1. Core Content Requirements

Course	Title	Projected Completion Date	sh	Grade
650:270	Principles of Scholarly Integrity (Two workshops Fall and Spring semesters over two years)		0-1	
101:212	Biomedical Instrumentation and Measurement		3	
171:161	Introduction to Biostatistics (3 sh) OR 22S102 Intro to Statistical Methods (3 sh)		3	
171:162	Design & Analysis in Biomed Science (3 sh) OR 22S148 Intermediate Statistical Methods (4 sh)		3-4	
101:220	Seminar in Rehabilitation Science		1*	
101:326	Scientific Writing in Rehabilitation Science		3	
101:300	Rehabilitation Research Capstone Project		2-4**	
07P:385	Teaching & Learning in Higher Education		3	
101:280	Teaching Practicum		1	
Total Semester Hours for Core Content Requirements			19-24 sh	

* Must be take for credit for at least two semesters (two credits)

** 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.

2. Research Content Requirements

Twenty-four (24) or more semester hours must be taken from the following research courses

Course	Title	Projected Completion Date	sh	Grade
101:284	Practicum in Research (sh arr)			
101:325	Independent Study (sh arr)			
101:327	Research in Rehabilitation Science (sh arr)			
101:214	Advanced Seminar in Rehabilitation Science (3 sh) <i>(taken in preparation for the comprehensive examination)</i>		3	
101:301	Thesis in Rehabilitation Science <i>(taken in preparation for the PhD dissertation)</i>		12	
Total Semester Hours for Research Content Requirements			≥24 sh	

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 provided on the attached page, but other courses deemed more suitable to the student’s background knowledge and interest area will be considered.

Course	Title	Projected Completion Date	sh	Grade
Total Semester Hours for Specialty Content Requirements			≥9 sh	

Summary:

- Core Content Hours (19-24):
- Research Content Hours (≥24):
- Specialty Content Hours (≥9):

Total Required Hours (72):

Credits beyond the 52-57 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 _____
 Director of Graduate Studies _____ Date _____
 Director GPTRS: _____ 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.

<u>Num</u>	<u>Course Title</u>	<u>Credits</u>
<i>Offerings from Physical Therapy & Rehabilitation Science</i>		
101:210	Kinesiology and Pathomechanics	4 sh
101:224	Principles of Motor Control and Applied Neuroscience	4 sh
101:275	Analysis of Sensorimotor Systems in Health and Disease	3 sh
101:277	Mechanisms in Pain Transmission	3 sh
101:285	Biomechanical Analysis in Rehabilitation	3 sh
<i>Offerings from Health and Human Physiology</i>		
027:141	Exercise Physiology	3 sh
027:145	Cardiovascular Physiology	3 sh
027:155	Skeletal Muscle Biology	3 sh
027:160	Motor Control I Neurophysiological Basis	3 sh
027:197	Biomechanics of Human Motion	3 sh
027:314	Seminar in Motor Control	1 sh
<i>Offerings from Pharmacology</i>		
071:137	Neurotransmitters	1 sh
071:138	Ion Channels	1 sh
071:235	Topics in Pain and Analgesia	1 sh
071:250	Advanced Problem Solving in Pharmacological Sciences	1 sh
<i>Offerings from Neuroscience</i>		
132:180	Fundamental Neurobiology	4 sh
060:234	Medical Neuroscience	4 sh
132:235	Neurobiology of Disease	3 sh
<i>Offerings from Epidemiology</i>		
173:290	Intervention and Clinical Trials	3 sh
<i>Offerings from Occupational and Environmental Health</i>		
175:190	Occupational Ergonomics I	3 sh
175:294	Occupational Ergonomics II	3 sh
175:295	Clinical Ergonomics	3 sh
<i>Offerings from Civil and Environmental Engineering</i>		
053:190	Readings in Civil and Environmental Engineering	2 sh
<i>Offerings from Biomedical Engineering</i>		
051:121	Introduction to Bioinformatics	4 sh
<i>Offerings from Anatomy and Cell Biology</i>		
060:232	Advanced Human Anatomy	arr.