RHB-Rehabilitation Science

RHB 500. Introduction to Rehabilitation Science. 3 Hours.
Encapsulating science from the level of the cell and body structure to the
person, family, community and society level, rehabilitation science serves
as a foundation and the body of knowledge by which individuals may
develop and evaluate current and emerging approaches to enhancing
enablement and minimizing disability.

RHB 575. Special Topics in Rehabilitation Science. 1-4 Hour.
Exploration of current topics in Rehabilitation Sciences.

RHB 590. Quantitative Biomechanics of Injury and Rehabilitation. 3
Hours.
Material, mechanical, electrophysiological and energetic principles of
human movement. Comparison of non-impaired verses impaired systems
in relation to injury/disability.

RHB 740. Teaching Practicum. 1-3 Hour.
Individually designed, directed teaching experience in focus area
appropriate to student’s background, needs, and goals under guidance of
faculty preceptor.
Prerequisites: RHB 780 [Min Grade: C] and RHB 781 [Min Grade: C]
and RHB 782 [Min Grade: C] and RHB 783 [Min Grade: C] and RHB 784
[Min Grade: C]

RHB 746. Rehabilitation Science Journal Club. 1 Hour.
Student-led, facilitated discussion of current, impactful published research
in rehabilitation science. Interaction with scientists and clinicians from
multiple disciplines contributing to the rehabilitation science.

RHB 775. Special Topics in Rehabilitation Sciences. 1-4 Hour.
Exploration of current issues in Rehabilitation Sciences.

RHB 780. Principles of Rehabilitation Science: Movement Science. 3
Hours.
Interdisciplinary discussion of concepts, theories, principles, and research
literature underlying the understanding of neural control, biomechanics,
motor learning, and motor development and how purposeful and
functional body movements are accomplished under a variety of health
conditions and disease processes.

RHB 781. Principles of Rehabilitation Science: Exercise Science. 3
Hours.
Interdisciplinary discussion of concepts, theories, principles, and research
literature underlying the understanding of cardiac and pulmonary
physiology, exercise physiology, and health behaviors and how important
activities are accomplished under a variety of health conditions and
disease processes.

3 Hours.
Interdisciplinary discussion of concepts, theories, principles, and research
literature underlying the understanding of occupation science and how
work and play activities are accomplished under a variety of health
conditions and disease processes.

RHB 783. Research Design/Measurement in Rehab Sci. 3 Hours.
A detailed overview of research design and methodologies used in
rehabilitation science, including quantitative and qualitative methods.

RHB 784. Res Design/Measure Rehab Sc II. 3 Hours.
A detailed overview of research design and methodologies used in
rehabilitation science, including quantitative and qualitative methods.
A continuation of Research Design and Measurement in Rehabilitation
Science I.

RHB 785. Principles of Behavior Change in Rehabilitation Science. 3
Hours.
Scientific and theoretical principles underlying health behavior change in
the context of rehabilitation science; health behavior from an ecological
perspective; seminal behavior change theories; key elements required for
design, implementation, and analysis of rigorous health behavior change
research.

RHB 789. Rehab Science Seminar. 2 Hours.
Varied discussion of rehabilitation science topics to help students explore
research questions in preparation for their dissertation.

RHB 790. Rehabilitation Science Research Project. 1 Hour.
Research experience where the student rotates through a variety of
clinical research areas related to Rehabilitation Science.

RHB 791. Rehabilitation Sciences Clinical Project. 1 Hour.
Working with clinicians in a variety of clinical settings, the student
develops a project to help solve a Rehabilitation Science-related problem.

Development of research proposal.

Dissertation Research.
Prerequisites: GAC Z