RHB-Rehabilitation Sciences

Courses

RHB 210. 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 220. Rehabilitation and Healthcare in the US. 3 Hours.
Overview of history of rehabilitation and healthcare in the United States; impact of societal events and factors on the evolution of US healthcare; growth of specific health disciplines that contribute to or support rehabilitation healthcare teams.

RHB 320. Environmental and Community Considerations of Mobility. 3 Hours.
Factors that promote and hinder mobility for individuals with chronic disease and disability; issues concerning accessibility, safety, transportation, and occupation; resources, services, legal rights and policy issues that promote mobility. Course will include observational experiences in the community.

RHB 330. Adapted Mobility and Exercise Interventions. 3 Hours.
Health benefits of physical activity for people with disabilities; evidence-based exercise prescription, including strengthening, aerobic, and balance training; theory-driven physical activity promotion including behavioral coaching and intervention strategies to overcome barriers and support success.
Prerequisites: BY 115 [Min Grade: C] and BY 116 [Min Grade: C](Can be taken Concurrently)

RHB 340. Living with Disability. 3 Hours.
Psychosocial and health issues faced by individuals with disabilities; individual and societal views of people with disabilities; historical and current trends concerning disability rights. Resources, services, legal rights, and policy issues for people with disability that promote health, equity and inclusion.

RHB 360. Scientific Inquiry. 3 Hours.
Nature of research and application of the scientific approach to rehabilitation science topics; research design and method, interpretation of research findings and ethical considerations.
Prerequisites: MA 180 [Min Grade: C](Can be taken Concurrently)

RHB 370. Tests and Measures in Rehabilitation Science. 3 Hours.
Introduction to and application of tests and measures used to assess rehabilitation needs and outcomes related to body function and structure, activities, and participation, and physical, mental, and social issues; measurement theory and psychometric qualities.
Prerequisites: RHB 210 [Min Grade: C] and BY 115 [Min Grade: C] (Can be taken Concurrently) and BY 116 [Min Grade: C](Can be taken Concurrently)

RHB 400. 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 410. Aging in the Community. 3 Hours.
Overview of aging-related challenges to healthy living and function; individual and societal views of older adults along with historical and current trends concerning their rights. Principles for optimal aging including physical activity, nutrition, social function, and accessibility. Resources, services, legal rights and policy issues for older adults that promote health, equity and inclusion.
Prerequisites: RHB 320 [Min Grade: C](Can be taken Concurrently) and RHB 340 [Min Grade: C](Can be taken Concurrently)

RHB 430. Current Trends in Rehabilitation Science. 3 Hours.
Seminar course using speakers from within and outside of UAB will examine current issues/topics influencing rehabilitation science.

RHB 460. Leadership/Lifelong Learning and Rehabilitation Science. 3 Hours.
Personal leadership skills that target leading oneself, leading others, and leading change; effective self-directed skills for lifelong learning.
Prerequisites: RHB 210 [Min Grade: C]

RHB 475. Special Topics in Rehabilitation Sciences. 1-4 Hour.
Special Topics in Rehabilitation Sciences.

RHB 478. Special Topics in Rehabilitation Science. 1-4 Hour.
Exploration of current issues in Rehabilitation Science.

RHB 480. Neuroscience Fundamentals for Rehabilitation and Disability. 3 Hours.
To encapsulate physical and disability neuroscience from the level of the neuron, neurological damage/pathology, and functional anatomy that requires physical, occupational, and rehabilitation treatment plans. This course will provide knowledge and a neurological foundation for individuals interested in disability and rehabilitation to better understand and evaluate current and emerging rehabilitation approaches to maximize function and recovery related to a physical disability. This course will also present perspectives of person's with a neurological condition or disability lived experience.
Prerequisites: BY 115 [Min Grade: C] and BY 116 [Min Grade: C]

RHB 490. Quantitative Biomechanics of Injury and Rehabilitation. 3 Hours.
Material, mechanical, electrophysiological and energetic principles of human movement. Students will learn about the healthy non-impaired system and compare to systems impaired by injury or disability.
Prerequisites: PH 201 [Min Grade: C](Can be taken Concurrently) and BY 115 [Min Grade: C](Can be taken Concurrently) and BY 116 [Min Grade: C](Can be taken Concurrently)

RHB 495. Senior Capstone for Rehabilitation Science. 3-5 Hours.
This course summarizes, evaluates, and integrates coursework completed by students to assure optimal application in future employment and/or graduate studies, with content tailored to students' personal career plans and goals. Students engage in group and independent educational activities.