REHABILITATION SCIENCE (RHBS)

Courses listed below represent the range of RHBS graduate rehabilitation science course offerings in the School of Rehabilitation Therapy. Not all courses will be offered in each academic year and the current calendar should be consulted for the term.

RHBS 899 and 999 are 6. 0 credit units. Credit units for all other courses are as shown in the descriptions.

RHBS 801/901 Motor Performance in Rehabilitation
This seminar course examines theories of motor control and current literature relating to the neuromuscular, physiological, and biomechanical aspects of volitional movement. Motor performance outcomes will be discussed within the context of physical rehabilitation and motor control. Three term hours. Limited enrollment. Not offered 2024-25.

RHBS 803 Academic and Professional Development for M.Sc. Students
Credit is based upon attendance and participation in designated events within the program and related programs. Events are designed to develop students´ academic and professional skills to facilitate completion of their master's thesis and prepare for future career paths. (Pass/Fail). Not offered 2024-25.

RHBS 804/904 Rehabilitation Science
This seminar course addresses foundational theory, critical perspectives and contemporary issues in rehabilitation science, including research strategies, principles of measurement and ethical issues. The course highlights policy and research about rehabilitation services and the functioning of people who may use these services. Three-term hours; limited enrollment. (3.0 credit units)

RHBS 810 Fundamentals of Disability
This lecture/seminar module provides an introduction to disability. The module examines the concepts of disability in a contemporary Canadian and international context. Topics include: definitions, models, history; classification and types of disability, disability prevalence and statistics; disability across the lifespan, including community and social participation; disability around the world. (1.5 credit units). Please check department for availability. Not offered 2024-25.

RHBS 815 Community Based Rehabilitation
This module prepares students to design, implement and evaluate community based rehabilitation (CBR) initiatives for and with persons with disabilities globally. The historical development of CBR and its philosophical and theoretical underpinnings will be discussed, as will the current international development landscape. (1.5 credit units). Contact department for availability. Not offered 2024-25.
EXCLUSIONS: RHBS 877, RHBS 977

RHBS 822 Knowledge Translation Foundations
This module examines the foundations of knowledge translation (KT) in health care. Topics include terms, definitions, frameworks and approaches to KT; specific issues related to KT in rehabilitation science; barrier and facilitators to KT; KT interventions and evaluations, and developing KT plans. (1.5 credit units). Contact department for availability. Not offered 2024-25.

RHBS 824: Quantitative Research Design
This course provides students with fundamental knowledge of major quantitative research designs used in rehabilitation & health research, as well as practical skills in selecting and applying an appropriate research design to examine a research question. The course provides knowledge related to formation of sound research questions to direct inquiry, observational and experimental/quasi-experimental designs, choice of appropriate analytical approaches, and conduct of systematic reviews. 1.5-credit course. Not offered 2024-25.
PREREQUISITE: RHBS 833 or RHBS 933 or equivalent.

RHBS 825 Regression Analysis
Students will gain fundamental knowledge of regression analyses as used in rehabilitation/health research, and practical skills to conduct such analyses. Topics include correlation, basic linear regression, multivariate linear regression, and logistic regression. SPSS, statistical software will be used throughout the course. (1.5 credit units). Not offered 2024-25.
PREREQUISITE: undergraduate statistics.
EXCLUSION: RHBS 834/RHBS 934

RHBS 826 Validation and Reliability Testing
Students will gain fundamental knowledge of validity and reliability testing and practical skills to conduct such analyses. Topics on reliability testing include correlation, coefficients of variation, Intraclass correlation coefficients, Bland Altman Analysis, and Generalizability Theory. SPSS statistical software will be used. (1.5 credit units). Contact department for availability. Not offered 2024-25.
PREREQUISITE: undergraduate statistics
EXCLUSION: RHBS 834/ RHBS 934

RHBS 833/933 Research Methods
This course emphasizes the intersection between theoretical background and rationale, and research design for quantitative and qualitative methods used in rehabilitation science research. Topics include development of the research

question and problem statement, rationale, appropriate literature review, and research design. Fall.

RHBS 834/934 Statistics
A seminar course which will acquaint the student with the concepts and principles of quantitative statistical analysis including parametric and nonparametric methods. Students may present various topics throughout the course and critically evaluate research in their area of study. Three term hours; lectures/seminars. Limited enrollment. Not offered 2024-25.
PREREQUISITE: An undergraduate level statistics course

RHBS 840 Motor Performance in Rehabilitation
This module examines theories of motor control and current literature relating to the neuromuscular, physiological and biochemical aspects of volitional movement. Motor performance outcomes will be discussed within the context of physical rehabilitation and motor control. (1.0 credit units). Not offered 2024-25.
EXCLUSIONS: RHBS 801, RHBS 901

RHBS 874/974 Studies in Aging
A lecture/seminar course, which examines the neurophysiological, cardiorespiratory, musculoskeletal, cognitive and psychoemotional aspects of aging and their significance in both motor performance and disability and wellness in the community. Three term hours; limited enrollment. Not offered 2024-25.

RHBS 876/976 Independent Study
A study under the guidance of a faculty member in a subject area related to the faculty member's area of expertise or special interest that is not covered within existing courses. The study work must not directly overlap with the student's thesis work. Normally this course will take the form of a closely supervised reading program, but may also include supervised laboratory work and/or specialized clinical experience. A course outline should be developed in consultation with the student's supervisor and the proposed instructor. The course outline must be approved by the Chair of the Graduate Program in Rehabilitation Science prior to the student registering in this course.

RHBS 877/977 Community -Based Rehabilitation
This course prepares students to design, develop, implement and evaluate community based rehabilitation (CBR) programs for and with persons with disabilities internationally. Topics addressed include CBR history, concepts, and frameworks; relevant policy and global development agreements; education and training strategies in CBR; emancipatory and participatory approaches to research and evaluation; and the World Health Organization's CBR matrix and its application to CBR practice, research and education. Not offered 2024-25.

RHBS 899 Master's Thesis Research

RHBS 903 Academic and Professional Development for Ph.D. Students
Credit is based upon attendance and participation in designated events within the program and related programs. Events are designed to develop students´ academic and professional skills to facilitate completion of their doctoral dissertation and prepare for future career paths. (Pass/Fail).

RHBS 921 Grant Writing for Rehabilitation Scientists
This seminar course is designed to assist trainees who are working on their research/thesis proposal to hone their grantsmanship skills. Students will work with their research proposal to prepare it for submission to a major granting council and will present it to the class for review and critique. (1.5 credit units). Limited enrollment. Contact department for availability. Not offered 2024-25.
PREREQUISITE: [RHBS 904 and RHBS 933] or permission of the instructor.

RHBS 932 Qualitative Research Methods in Health Studies
This course prepares student to evaluate and undertake health related research using qualitative approaches. Topics addressed include the philosophical foundations of qualitative research, research design and rigor, data collection, analysis and interpretation and ethical challenges. Three term hours; lectures/seminars. Limited enrollment. Winter.

RHBS 999 Ph.D. Thesis Research