

Graduate Health Science Courses

HLSC 5310. Statistics in Health Science I. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

Statistics I in Rehabilitation Science is an introductory course designed to provide students with a foundational understanding of statistical methods and their applications in the field of rehabilitation science. The course focuses on the principles and techniques necessary for analyzing and interpreting data relevant to rehabilitation research and practice.

HLSC 5311. Statistics in Health Science II. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

Statistics II in Rehabilitation Science is an advanced course that builds upon the foundational concepts introduced in Statistics I. This course delves deeper into statistical methods and applications in the context of rehabilitation science research. Topics include advanced inferential statistics, multivariate analyses, and specialized statistical techniques relevant to the field.

HLSC 5320. Research Ethics for Health Sciences. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

The Research Ethics for Health Science course is designed to provide students with a comprehensive understanding of ethical considerations and principles in conducting research within the field of health science. This course explores the ethical foundations of research, the responsible conduct of research, and the application of ethical guidelines and regulations. Students will engage in critical discussions and case studies to develop ethical decision-making skills within the context of health science research.

HLSC 5330. Research Methods I - Qualitative and Quantitative. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

Research Methods I - Qualitative and Quantitative is a foundational course designed to introduce students to the principles and practices of both qualitative and quantitative research methods. The course aims to provide a comprehensive understanding of the research process, from formulating research questions to data collection and analysis. Students will explore the strengths and limitations of qualitative and quantitative approaches and develop the skills necessary to design, conduct, and critically evaluate research studies.

HLSC 5331. Research Methods II - Advanced Methodologies. 3 Credit Hours (Lecture: 3 Hours, Lab: 0 Hours).

Research Methods II - Advanced Methodologies is an advanced-level course that builds upon the foundational knowledge acquired in Research Methods I. This course delves into more complex and specialized research methodologies, equipping students with advanced skills to design and implement rigorous research studies. Topics covered include advanced quantitative and qualitative methodologies, experimental designs, longitudinal studies, and the integration of cutting-edge techniques. Students will engage in hands-on activities and critical analyses to deepen their understanding of advanced research methodologies.