

Health Science - Interdisciplinary (HLTH)

HLTH 1200. Basic Skills for the Healthcare Professional. (2 Hours)

Introduces health science students to the basic skills necessary to be successful in entry-level healthcare positions. These skills include: Basic Life Support, safe patient handling, vital signs, oxygen transport and safety, and EKG prep and placement. Also covers basic medical terminology, appropriate professional behaviors, and communication skills.

Corequisite(s): HLTH 1201

HLTH 1201. Lab for HLTH 1200. (1 Hour)

Accompanies HLTH 1200. Provides students with hands-on opportunities to learn skills in Basic Life Support, safe patient handling, determining vital signs, oxygen transport and safety, EKG prep and placement, and related clinical skills.

Corequisite(s): HLTH 1200

HLTH 1203. Basic Clinical Skills for the Healthcare Professional. (3 Hours)

Introduces undergraduate students to the basic knowledge and skills necessary to be successful in entry-level healthcare positions. Provides students with hands-on opportunities to learn skills in Basic Life Support, safe patient handling, determining vital signs, oxygen transport and safety, EKG prep and placement, and related clinical skills.

HLTH 1990. Elective. (1-4 Hours)

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

HLTH 2001. Introductory Skills for Healthcare and Rehabilitation. (4 Hours)

Designed to provide a basic practical understanding of introductory skills commonly performed in healthcare and rehabilitation settings for patient/client interaction and/or clinical research. Topics include body mechanics, vital signs, cardiopulmonary resuscitation, exercise equipment, assistive device management, hot and cold application, standard precautions, and healthcare communication. Offers students an opportunity to obtain the ability to integrate topics learned with the future of healthcare and rehabilitation, industry, and entrepreneurship of their chosen profession through a final professional reflection assignment.

HLTH 2100. Interprofessional Ethics for Individual and Population Health. (4 Hours)

Provides case reviews and discussion related to basic theories, principles and contemporary issues of bioethics. Secondly, this course is an interprofessional course that covers specific ethical guidelines for various health disciplines from nursing, pharmacy, health sciences, and others. Offers students an opportunity to develop systematic strategies and analytic frameworks for identifying and examining bioethical issues and for resolving bioethical dilemmas and problems. Students have an opportunity to apply their specific discipline's ethics code and work in multidisciplinary groups to apply ethical principles from different perspectives.

Attribute(s): NUpath Ethical Reasoning, NUpath Writing Intensive

HLTH 2183. Interdisciplinary Special Topics: Pop-up Course. (1,2 Hours)

Addresses timely trends, issues, and events as they unfold. Offers students an opportunity to learn about and respond to issues of the day in an immersive, interdisciplinary, short-course format. Content and instructors vary by offering.

HLTH 2200. Emergency Medical Technician Training. (6 Hours)

Offers students an opportunity to learn basic healthcare clinical skills and seeks to prepare students to function as emergency medical technicians (EMTs) at the basic life support level. EMTs are an essential component of prehospital emergency medical service (EMS) systems. This course seeks to establish a solid foundation in EMS, broadly including patient assessments, medical emergencies, trauma emergencies, relevant pharmacology, special populations, and EMS operations.

HLTH 2302. Alternative Medicine. (4 Hours)

Presents an objective assessment and discussion of alternative and complementary medical approaches used in the United States and their significant historical, cultural, and cross-cultural implications. The majority of alternative and complementary medical strategies were developed in a specific historical and cultural context. Some of the therapies have had an impact on human health for thousands of years. Others have become popular only recently. Many methods discussed are fused with different cultural practices, such as the concept of "vitalism," a force that modern science does not recognize but is an important attribute in certain cultural practices. Some methods have long and successful histories based upon sophisticated ancient medical theories, such as "Chi," found in Chinese medicine.

HLTH 2963. Topics. (1,2 Hours)

Offers undergraduate students an opportunity to learn about timely issues, develop new skills, or explore areas of broad interest in an immersive, short-course format. Content and instructors vary by offering.

HLTH 2973. Special Topics in Healthcare. (1-4 Hours)

Offers an intermediate-level study of contemporary issues in healthcare. Draws upon a variety of perspectives. Offers students an opportunity to expand their breadth of knowledge and to facilitate their understanding of various themes grounded in a particular area of healthcare. May be repeated once.

HLTH 2990. Elective. (1-4 Hours)

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

HLTH 2992. Research. (0 Hours)

Offers an opportunity to document student contributions to research projects or creative endeavors.

HLTH 3001. The Research Process. (2 Hours)

Explores the processes involved in conducting health-related research from the initial selection of a topic or research area to the written and oral presentation of study results. Offers students an opportunity to obtain the skills required to design and conduct rigorous quantitative research. Students formulate a research question, design an appropriate research approach, prepare an analytic plan, collect or access relevant data, analyze the data, and present and summarize to the class their study and results. Students discuss readings weekly and present elements of their study.

Prerequisite(s): PPTH 2210 with a minimum grade of D- or NRSJ 5120 with a minimum grade of D- or MATH 2280 with a minimum grade of D- or ENVR 2500 with a minimum grade of D-

HLTH 3990. Elective. (1-4 Hours)

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

HLTH 4990. Elective. (1-4 Hours)

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

HLTH 4991. Research. (4 Hours)

Offers an opportunity to conduct research under faculty supervision.

Attribute(s): NUpath Integration Experience

HLTH 4992. Directed Study. (1-4 Hours)

Offers independent work under the direction of members of the department on a chosen topic. Course content depends on instructor. May be repeated without limit.

HLTH 4998. Research. (0 Hours)

Offers an opportunity to document student contributions to research projects or creative endeavors.

HLTH 5002. Mindfulness: Theory and Practice. (3 Hours)

Studies key aspects of theory and practical principles of mindfulness practice. Mindfulness is a particular way of paying attention to experiences that has been scientifically researched and found to decrease habitual and destructive cycles of thought and emotion. This course is highly experiential and daily homework practice consists of at least 20 minutes of mindfulness practice. Instructions for the various practices are provided throughout the course. Each class typically includes a didactic portion, a mindfulness practice, and a group discussion. The benefits of mindfulness practice include reduced stress, improved attention, reduced emotional reactivity, and greater mind-body awareness. Offers students an opportunity to develop practical skills of relational mindfulness in interactions with others and to cultivate positive emotions.

HLTH 5135. Developing an Interdisciplinary Approach to Health Management for Older Adults. (4 Hours)

Focuses on health management for older adults, a major issue in contemporary society. Policy, economics, organizational structure, and clinical care are intermingled in responding on societal, institutional, and clinical levels. Challenges the inquisitive and creative student to approach the health of the older adult by addressing these complex issues. Focuses on effective outcomes and understanding the range of roles professionals may adopt. Provides the knowledge base and skill set necessary for interdisciplinary professional practice. Contact the course coordinator at least one month prior to the start of the course for admission.

HLTH 5280. The (in)Visibility of (dis)Ability in Society. (3,4 Hours)

Addresses the issues of disability relative to culture, public policy, rights, and advocacy. Focuses class discussion on the experiences of people with disabilities living in our current society as well as from a historical perspective. Explores the following topics: who is disabled, social attitudes toward people with disabilities, and images and stigma in the media. Also covers the language of disability, disability culture, and the forgotten minority. Affords students an opportunity to gain a broad understanding of the complex and dynamic issues and themes concerning people with disabilities.

Attribute(s): NUpath Difference/Diversity

HLTH 5410. Introduction to Statistics in Health and Behavioral Science. (3 Hours)

Introduces basic and intermediate concepts in research methods and quantitative analysis in health and behavioral sciences. Explores foundational considerations in research methodology and acquisition of knowledge in statistical techniques, ranging from descriptive statistics to probability and inference. Offers students an opportunity to state and test hypotheses guiding them through the analysis and interpretation of collected information and to build experience with conducting statistical analysis using common spreadsheet software (e.g., Excel).

HLTH 5450. Healthcare Research. (4 Hours)

Provides an overview of the research process and its application in clinical arenas. Emphasizes the role of the health professional as a consumer of research, with concern for the ethical management and treatment of patients and their families. Elements of research design and their implications in clinical settings provide the framework for the analysis of research and the development of a research proposal. Also emphasizes the use of research findings for evidence-based practice. Encourages interdisciplinary projects.

Prerequisite(s): ENGL 1111 with a minimum grade of C or ENGL 1102 with a minimum grade of C or ENGW 1111 with a minimum grade of C or ENGW 1102 with a minimum grade of C or graduate program admission

Attribute(s): NUpath Formal/Quant Reasoning, NUpath Natural/Designed World, NUpath Writing Intensive

HLTH 5451. Recitation for HLTH 5450. (0 Hours)

Provides small-group discussion format to cover material in HLTH 5450.

HLTH 5600. Introduction to Patient Safety. (3 Hours)

Introduces patient safety science, which is a growing specialty in healthcare, driven by research and reporting efforts that demonstrate unacceptable levels of patient harm in care delivery. Provides a comprehensive overview of the tools and knowledge necessary for healthcare clinicians, administrators, and leaders to create safer healthcare systems. Explores the major themes of patient safety science and the concepts utilized in designing safer healthcare systems and mechanisms for healthcare delivery. Focuses on the history of patient safety, political and regulatory drivers and their impact on patient safety, the importance of robust data capture in recognizing risks, and the inherent challenges of informatics and technology for patient safety. Applying these concepts guides design of safer healthcare.

HLTH 5610. Patient Safety Science. (3 Hours)

Examines healthcare as a high-risk industry, where complex healthcare systems attempt to meet the complex needs of diverse patients. Introduces the many drivers that influence the design and evolution of healthcare systems, particularly patient safety, which until recently was not typically recognized as one of these design drivers. Expands on the concept of complex systems theory and introduces the concept of high reliability organizations (HROs) and how they approach safety. Examines engineering strategies from HROs by studying how healthcare systems should adapt and retrofit to create safer systems of care delivery. Compares the challenges of improving patient safety at the system vs. the microsystem level. Examines diverse error-reducing strategies. Prior completion of HLTH 5600 is recommended but not required.

HLTH 5620. Leadership, Patient Safety, and Clinical Wellness. (3 Hours)

Examines patient-safety-focused leadership that recognizes the importance of partnering with key healthcare proponents to advance the safe delivery of care. Discusses the role of leaders in advancing a culture of safety and creating a just culture approach to adverse event reviews. Identifies the importance of psychological safety in adverse event reporting and analysis. Focuses on leadership roles in promoting robust workforce wellness initiatives to prevent clinician burnout. Prior completion of HLTH 5600 is recommended but not required.

HLTH 5630. Quality Improvement in Patient Safety. (3 Hours)

Introduces key components of patient safety science that promote identification of patient safety risks and effectively foster changes to reduce those risks. Examines the processes and tools employed in quality improvement efforts and recognizes the importance of risk assessment, data collection, and measurement in healthcare settings. Identifies quality improvement models and compares their effectiveness in promoting safer care delivery. Concludes with a discussion of the advantages and disadvantages of incentivizing quality improvement efforts through reimbursement strategies that utilize quality incentives. Prior completion of HLTH 5600 is recommended but not required.

HLTH 5700. Social Determinants of Health. (3 Hours)

Introduces social and structural conditions as key contributors to people's physical and mental health. Describes unjust and avoidable socioeconomic conditions considered to be the main contributors to health inequities. Meets a growing demand for health professionals to have fundamental knowledge of the social determinants of health, including social isolation and social support; structural/ institutional racism; income inequality; and social and economic policies. Provides an opportunity to develop awareness of the role of social determinants of health in population health; knowledge of the pathways through which they impact health; awareness of the specific ways the health of different populations and demographic groups is impacted; and enhanced evaluation, diagnosis, and communication with patient and clients.

Attribute(s): NUpath Societies/Institutions

HLTH 5730. Global Perspectives in Disability and Health. (4 Hours)

Addresses the issues of disability relative to culture, public policy, rights, and advocacy. People with disabilities are less likely to receive necessary healthcare and rehabilitation services and, as a consequence, experience poorer health outcomes and mortality. Explores the effects of cultural beliefs, social attitudes, and stigma toward people with disabilities. Evaluates the impact of poverty, sociopolitical conditions, health economics, and resource allocation issues. Analyzes charitable contributions, by human rights and other organizations, to the needs of people with disabilities in underserved areas to identify both desirable and undesirable impacts. This interprofessional course offers students an opportunity to gain a broad understanding of complex and dynamic issues concerning people with disabilities in underserved and globally diverse settings.

HLTH 5963. Topics. (1,2 Hours)

Offers students an opportunity to learn about timely issues, develop new skills, or explore areas of broad interest in an immersive, short-course format. Content and instructors vary by offering.

HLTH 5964. Projects for Professionals. (0 Hours)

Offers students an applied project setting in which to apply their curricular learning. Working with a sponsor, students refine an applied research topic, perform research, develop recommendations that are shared with a partner sponsor, and create a plan for implementing their recommendations. Seeks to benefit students with a curriculum that supports the development of key business communication skills, project and client management skills, and frameworks for business analysis. Offers students an opportunity to learn from sponsor feedback, review 'lessons learned,' and incorporate suggestions from this review to improve and further develop their career development and professional plan.

HLTH 5965. Engaging with Industry Partners for Rising Professionals. (0 Hours)

Offers students an enhanced applied project setting in which to apply their curricular learning. Working with a partner sponsor, students refine an applied research topic, perform research, develop recommendations that are shared with the partner sponsor, and create a plan for implementing their recommendations. Curriculum supports students as they develop key business communication skills, project and client management skills, and frameworks for business analysis. Offers students an opportunity to learn from sponsor feedback, review lessons learned, and incorporate suggestions to improve and further hone their career development and professional plan. Career development opportunities through skill-building workshops, panels, and interview preparation are available. Partner-student interactions, including a culminating project presentation, allow partners to assess student potential for co-op, internship, or other employment opportunities with the partner.

HLTH 5973. Special Topics in Healthcare. (1-4 Hours)

Offers an advanced-level study of contemporary issues in healthcare. Draws upon a variety of perspectives. Offers students an opportunity to expand their breadth of knowledge and to facilitate their understanding of various themes grounded in a particular area of healthcare. May be repeated up to five times for up to 6 total credits.

HLTH 6962. Elective. (1-4 Hours)

Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

HLTH 7999. Extended Field Experience. (0 Hours)

Offers supervised field experience.