Health Informatics (NURS-HI)

COURSES

NURS-HI 3358. FUNDAMENTAL TELEHEALTH SKILLS. 3 Hours.
This course is designed to provide students with foundational knowledge of skills required for effective telehealth application and delivery. Prerequisite: undergraduate status or special student status.

NURS-HI 3359. INTRODUCTION TO HEALTH INFORMATICS. 3 Hours.
This course provides the foundation for the study of health informatics and covers topics such as health information management, clinical information systems (inpatient, outpatient, nursing, laboratory, pharmacy, radiology, etc.), decision support systems, clinical research and health-assessment systems, technology assessment, population health, ethics, security and confidentiality, social determinants of health and emerging trends. Prerequisite: undergraduate status or special student status.

NURS-HI 3360. INTERPROFESSIONAL COLLABORATIVE PRACTICE. 3 Hours.
This course is designed to provide students with foundational knowledge of interprofessional collaborative practice. Students will explore values and ethics for interprofessional practice, roles and responsibilities for collaborative practice, interprofessional communication strategies, and the interprofessional teamwork and team-based practice. This course will provide a framework for deliberate interprofessional collaborative practice with other health professionals to maintain a climate of mutual respect and shared values in today's complex health care environment, with the common goal of improving patient outcomes. Prerequisite: undergraduate status or special student status.

NURS-HI 5383. PRINCIPLES OF HEALTHCARE INFORMATICS. 3 Hours.
Health information management, clinical information systems, decision support systems, clinical research and health assessment systems, technology assessment, and healthcare accounting. Focus is on US healthcare and the role of informatics within the U.S. healthcare system. Prerequisite: Graduate standing.

NURS-HI 5384. HEALTHCARE DATA MANAGEMENT AND ANALYTICS. 3 Hours.
Development, integration, and management of healthcare information systems, patient care systems, and healthcare delivery applications. Utilizes case studies and real-life application scenarios. Prerequisite: Graduate Standing.

NURS-HI 5385. HEALTH INFORMATION SYSTEMS MANAGEMENT. 3 Hours.
Introduction to project management principles and tools used for managing the development of healthcare analytics projects and information systems. Application of systems theory, hardware requirements, personnel requirements, vendor, negotiations, software, database, telecommunications, and use of the internet. Prerequisite: NURS-HI 5383 or instructor approval.

NURS-HI 5386. SOCIAL DETERMINANTS OF HEALTH AND HEALTHCARE INFORMATICS. 3 Hours.
Introduce the concepts of SDOH and explore the relationships between SDOH and Health informatics. Include how healthcare informatics can be employed to bridge the gaps experienced by vulnerable populations. Prerequisite: Graduate Standing.

NURS-HI 5687. INFORMATICS PRACTICUM. 6 Hours.
Synthesize principles and concepts of healthcare informatics as it applies to the nurse informatics role. Prerequisite: GPA 3.0; NURS 5327, NURS 5388, NURS 5367, NURS 5366, NURS 5342, NURS 5334, NURS-HI 5383, NURS-HI 5384, NURS-HI 5385, NURS-HI 5386.