Course List for the Master of Science in Nursing, Healthcare Informatics

2023-2024 Academic Year | Department of Graduate Nursing, UTA College of Nursing

Resources

For official course lists, descriptions and degree requirements please refer to the UTA Catalog. The College of Nursing makes every effort to keep this list accurate, but this list is unofficial and provided for convenience only. UTA Catalog: UTA Catalog, Nursing Master's Programs

Do you have questions, or would you like to speak with someone about applying to the program? Our academic advisors are ready to meet with you: Nursing Graduate Academic Advising

Courses

NURS 5327

Exploration of Science and Theories for Nursing
This course provides a critical examination of the philosophical and theoretical bases for nursing science. | Prerequisite: Graduate Standing | 3 Credit Hours

NURS 5366

Principles of Nursing Research
This course focuses on integration of theoretical and empirical principles of nursing research to generate evidence for nursing practice. | Prerequisite: Graduate Standing | 3 Credit Hours

NURS 5367

Evidence Based Practice
Preparation to lead evidence-based practice teams, to interpret best evidence, to plan for change, to evaluate outcomes, and to disseminate the project. | Prerequisites: NURS 5327, 5366 | 3 Credit Hours

NURS-HI 5383

Principles of Healthcare Informatics
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. | Prerequisites: Graduate Standing | 3 Credit Hours

NURS-HI 5384

Healthcare Data Management and Analytics
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 | 3 Credit Hours

NURS-HI 5385

Health Information Systems Management
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: Graduate Standing | 3 Credit Hours

NURS 5341

Financial Management in Nursing
Analyze and apply financial management concepts to financial planning, budgeting, and reimbursement systems in healthcare. | Prerequisites: NURS 5311 or NURS-HI student | 3 Credit Hours

NURS 5342

Management of Nursing Operations
Examine strategic planning for health care systems.| Prerequisite: NURS 5311 or NURS-HI student | 3 Credit Hours

NURS 5388

Statistics for Health Care
This course provides students with the basic knowledge and skills to effectively use biostatistics in different research design and data analysis, and to understand articles in related professional journals. Topics include choosing correct statistical methods and study designs in nursing research and practice; descriptive statistics; probability and probability distributions; estimation and hypothesis testing, simple linear regression, introduction to analysis of variance and an introduction to the use of statistical software packages. | Prerequisite: Undergraduate Statistics | 3 Credit Hours

NURS-HI 5386

Social Determinants of Health and Healthcare Informatics
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| 3 Credit Hours

NURS 5687

Nursing and Health Care Policy: Informatics Practicum
Synthesize principles and concepts of healthcare informatics as it applies to the nurse informatics role. | Prerequisites: 3.0, NURS 5327, NURS 5388, NURS 5367, NURS 5366, NURS 5342, NURS 5343, NURS-HI 5383, NURS-HI 5384, NURS-HI 5385, NURS-HI 5386 | 6 Credit Hours

Total Hours for the Program

36 Semester Credit Hours