

Master of Science in Health Sciences Core Courses

INFS 6340 Health Computer Information Systems

This course provides the knowledge about fundamentals of health Information Systems and the role of Information systems in efficient operation of health care organizations. The course specifically focuses on: Evolution of HMIS, HMIS components and basic HMIS functions, technology infrastructure for health care organizations, basic concepts such as HER, HIE, CPOE, and CDSS, HMIS standards such as HIPPA, HL7, and DICOM, strategic information systems planning for health care organizations, systems analysis and project management, information security issues, and role of HMIS professionals in health organizations.

Duration: 7 weeks

Credit Hours: 3

HSCI 6300 Introduction to the Health Care System and Quality Improvement

An introduction to the health care system beginning with a historical overview, analysis of organizational components and an emphasis on the interaction of delivery systems, regulation, financial concerns, regulations and alternative strategies for health care organizations, as well as quality assurance and its role in health care organizations.

Duration: 7 weeks

Credit Hours: 3

HSCI 6307 Health Care Policy, Organization and Financing

This course focuses on health care policy, organization and financing. The advanced practice nurse's role in the provision of quality cost-effective care, participation in design and implementation of health care in a variety of health care systems, and leadership in managing human, fiscal and physical health care resources is emphasized. Prerequisite: Graduate student status.

Duration: 7 weeks

Credit Hours: 3

HSCI 6310 Research in Health Sciences

An exploration of qualitative and quantitative research methods and experimental designs with specific application to the Health Sciences as well as an introduction to evidence-based medicine.

Duration: 7 weeks

Credit Hours: 3

HSCI 6345 Legal and Ethical Issues in Health Care

Overview of legal and ethical issues associated with the delivery of health care in today's society. Specific areas of contemporary legal and ethical concern surrounding everyday practice will be emphasized.

Duration: 7 weeks

Credit Hours: 3

HSCI 7302 Professional Proposal Writing

This course will cover the knowledge, skills and techniques used in the preparation of professional papers and grant proposals. Students will also be introduced to methods used in the identification of funding sources, as well as the principles of successful grant management.

Duration: 7 weeks

Credit Hours: 3