

HEALTH INFORMATION TECHNOLOGY (HIT)

HIT 421 | HEALTH INFORMATICS | 4 quarter hours (Graduate)

This course provides an overview of fundamental concepts of information management including the information that healthcare organizations generate and use, the importance of data quality, and external factors that impact healthcare data management. The curriculum will also examine information systems (i.e., the arrangement and interaction of information, processes, people, and technology) as well as system standards and security issues. Finally, special consideration will be given to management, responsibilities and challenges in aligning information technology (IT) planning with an organization's strategic planning as a means to create competitive advantage.

HIT 422 | SYSTEM DESIGN FOR HEALTH CARE | 4 quarter hours (Graduate)

Course focus is on systems design for health care that enhances quality of patient care and satisfaction, staff efficiency, and improving patient outcomes. Specific topics include: database design; interface and dialogue design in the context of workflow; usability and human factors; report design; system implementation; and system maintenance. PREREQUISITE(S): None.

HIT 430 | ELECTRONIC HEALTH RECORDS | 4 quarter hours (Graduate)

Comprehensive overview of principles and practices of Electronic Health Records (EHR) management, including data standards and integration, interoperability and information exchange models, data security, and privacy.

HIT 440 | HEALTH INFORMATION EXCHANGE AND NETWORKING | 4 quarter hours (Graduate)

Course discusses electronic health information systems and their design, implementation and application including information security, privacy and integrity, data exchange standards, basic principles of telecommunications and infrastructure security, and discussion of challenges of adopting HIE systems.

HIT 451 | ACCOUNTING AND FINANCIAL MANAGEMENT IN HEALTHCARE | 4 quarter hours (Graduate)

This course is intended to prepare the student to effectively interact with accounting and financial management staff and participate in various aspects of financial control and planning. The curriculum provides an historical perspective of financial management in healthcare, identifying trends in the industry and the forces that influence the financing of healthcare organizations. Financial statements, the interpretation and analysis of financial reports, and topics such as cost-benefit analysis, budgeting, and capital management will also be addressed. Consideration will be given to the cost effectiveness and financial future of healthcare organizations.

HIT 421 or HIT 422 is a prerequisites for this class.

HIT 511 | HEALTHCARE MANAGEMENT IN NON-HOSPITAL SETTINGS | 4 quarter hours (Graduate)

While the hospital is the centerpiece of the healthcare system, so much healthcare is delivered outside this setting. Students will be introduced to many healthcare services outside the traditional setting of the hospital and gain knowledge of the operations of such healthcare settings. The course will be divided into four parts: Traditional care, Diagnosing, Acute-Care Treatment, and Chronic Care and within each area students will explore the basic settings such as outpatient clinics and surgical centers, pharmacies, outpatient laboratories, chiropractic centers, and adult day care, and hospice care. Prerequisite(s): Status as a Health Informatics student is a prerequisite for this class.

HIT 515 | HEALTHCARE LAW | 4 quarter hours (Graduate)

This course reviews the American legal system as the context within which to consider contemporary medico-legal issues. The courses intent is to provide a legal framework where healthcare management issues can be explored in collaboration with legal counsel. The curriculum addresses such topics as: professional liability, corporate entity risk considerations, and relevant legislative activities reshaping the healthcare industry and tort reform initiatives. Case studies will augment the legal theories presented in the course. Prerequisite(s): Status as a Health Informatics student is a prerequisite for this class.

HIT 590 | TOPICS IN HEALTH INFORMATICS | 4 quarter hours (Graduate)

Advanced study focusing on a specific area of health informatics each quarter. May be repeated for credit. PREREQUISITES: Instructor consent required.