Health Information Management and Technology (HIMT) - Courses

Courses

HIMT 320/IS 321 Cr.3
Survey of Information Technology in Health Care
In this course essential information technologies in health care (HITs) will be surveyed. Many important health care information systems (HISs) are built upon three categories of HITs: data processing technologies, information reporting technologies, and decision supporting technologies. Specific subjects pertaining to these technologies will be identified and introduced. Prerequisite: admission to business or health information management systems minor. (Cross-listed with HIMT 320 / IS 321; may only earn credit in one department.) Offered Fall.

HIMT/IS 340 Cr.3
Ethical Issues, Security Management and Compliance
This course introduces three broad subjects: 1) evidence-based medical ethics pertaining to health care information management; 2) framework of health care information security management including security principles, policies and procedures, security management models, risk assessment, and protection mechanisms; and 3) health care regulations and compliance with focuses on the legislative systems, policies, and legal environment of health care in the U.S. and the existing health information laws, regulations and standards. Also addressed are the elements and development of compliance programs. Prerequisite: admission to business or health information management systems minor. (Cross-listed with HIMT/IS; may only earn credit in one department.) Offered Fall.

HIMT/IS 370 Cr.3
Health Care Systems: Analysis and Design
This is the first course in a two-course sequence that addresses methods and techniques of health care information system (IS) analysis and design as performed within the system development life cycle. Included will be the definition of the problem, fact gathering, analysis, logical design, selection and evaluation of alternative health care information systems solutions from the point of view of the health provider and user. The course focuses on the problem solving process that leads to the development of logical IS solutions to applied health care programs. Prerequisite: IS 220 or HIMT 320. (Crosslisted with HIMT/IS; may only earn credit in one department.) Offered Fall.

HIMT/IS 420 Cr.3
Health Care Systems: Project Management
This course addresses the phenomenal impact information system (IS) projects have had on health care delivery. Students learn how IS health care projects affect organizations, doctors, patients, and chronic-illness treatments, as well as individuals interested in managing their own health care. Concepts and tools for IS health care project management, process reengineering and work redesign are introduced. The purpose of this course is to expose students to IS project management activities in health care settings. Topics covered include recent IS health care project trends, budgeting, scheduling, resource management, scope, risk analysis, and deployment controls. The genesis of health care project management is covered using specific cases and examples. Prerequisite: admission to business or health information management systems minor. (Cross-listed with HIMT/IS; may only earn credit in one department.) Offered Fall.

HIMT/IS 435 Cr.3
Data Communications and Computer Networks in Health Care
This course provides fundamentals of data communications and networking techniques, and examines the linkage of information technology strategies and technological solutions enabling effective communication within and between health care organizations. Major topics include fundamental concepts of data communications and applications, network communication devices, basic technologies of the Local Area Network, Wireless Local Area Network, Wide Area Network, Internet and the Web, the OSI stack, health care information system standards, and the HIE, RHIN, and the NHIN. Prerequisite: IS 220 or HIMT 320. (Cross-listed with HIMT/IS; may only earn credit in one department.) Offered Spring.

HIMT/IS 490 Cr.3
Capstone Project
This course is the capstone course for both tracks of the Health Information Management and Technology Program. Students are required to find an internship site that is related to health care and set up a semester long project from which they can gain hands-on experience in the areas of their concentration. Project set-up will be jointly done by the student, site sponsor, and the faculty of this course, whereas internship supervision will be performed by the project supervisor and the course instructor. Prerequisite: last semester in Health Information Management & Technology Program. (Cross-listed with HIMT/IS; may only earn credit in one department.) Offered Occasionally.