MASTER SYLLABUS

COURSE NO. AND TITLE:

HCM 366-3 Health Information Management

COURSE DESCRIPTION:

This course provides a multi-disciplinary analysis of the strategic application of information systems technology and the management of such in health care organizations and focuses on using leveraging information systems to analyze clinical data. Students will review reimbursement mechanisms used to track service utilization patterns which assist in the decision making processes within an overall organizational capacity and for the purposes of quality/performance improvement. Leadership aspects pertaining to evidence based management and governance will be explored as well as challenges facing the health care industry in terms of the management of information systems. Restricted to HCM major/minor.

PREREQUISITES TO: N/A

REQUIRED TEXTBOOK(S): See Textbook Listing at
http://sah.siu.edu/undergraduate/health-care-management/HCM-Textbook-List-12-11-17.pdf

COURSE OBJECTIVES:

Upon completion of this course, the student will be able to:

- Identify and discuss the evolution of information technology in the healthcare industry.
- Identify and describe various types of information system applications common in the health care industry.
- Understand how data are used in terms of strategic management, assessment, financial management, clinical outcomes management, and public health/population management.
- Explore emerging technologies in healthcare such as electronic medical records, E-Health telemedicine, and clinical information systems with the broad scope of a wide range of healthcare services and patient care providers.
- Understand the project management process and how it aligns with information systems.
- Discuss the legal and ethical issues which pertain to information technology specific to clinical settings in the healthcare environment including privacy, confidentiality, and security.
- Follow detailed instructions without deviation, meet deadlines, take initiative to self-resolve problem issues, communicate in a professional manner in both written and verbal form, and exercise good time management skills and other managerial competencies.

COURSE DELIVERABLES (may vary based on instructor): Assignments, Exams, Quizzes

GRADING SCALE (may vary based on instructor): A= 100-90%; B=89.9-80%; C=79.9-70%; D=69.9-60%; F=59.9% and below.

LEARNING/ASSESSMENT METHOD(S): Pre-post Test, Final Grade Percentage

TOPICAL OUTLINE:

Topics	Percentages

I.   Connecting Information Management To Organizational Strategies in the   25%
     Healthcare Environment
   a.   Overview and evolution of information system management in health care
   b.   The role of information in healthcare
   c.   Future health care systems and trends
   d.   Using information management in strategic planning
   e.   Using information management in the clinical setting
   f.   The importance of systems integration
II. Information Technology Applications in Healthcare   40%
   a.   Electronic health/medical records
   b.   Clinical information systems
   c.   Management/Administrative financial systems
   d.   Information systems for nonhospital organizations
   e.   Project management tools and processes
   f.   Patient portals and E-Health/health informatics and the internet
III. Information Transfer   10%
   a.   Knowledge management
   b.   Data warehousing, data mining, workflows & analytics
IV. The Legal and Ethics Environment   25%
   a.   Governmental oversight in healthcare and information technology's role
   b.   Health information portability and accountability act
   c.   Security and ethics of healthcare and patient information