COURSE: HCM 366-3   Health Information Management

COURSE DESCRIPTION: This course provides a multi-disciplinary analysis of the strategic application of information technology and the management of such in health care organizations. The course focuses on using information technology to analyze both clinical data and business results in the decision making processes within an overall organizational capacity. Challenges facing the health care industry in terms of information technology will be examined. Restricted to HCM major/minor.

PREREQUISITES TO: Restricted to HCM majors/minors.


COURSE OBJECTIVES:
• 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, financial management, clinical outcomes management, and public health/population management.
• Explore emerging technologies in healthcare such as electronic medical records, telemedicine, and clinical information systems with the broad scope of a wide range of healthcare services and patient care providers;
• Discuss the legal and ethical issues which pertain to information technology specific to clinical settings in the healthcare environment including privacy, confidentiality, and security.

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=50% and below

LEARNING/ASSESSMENT METHOD(S): Pre and Post Test, Final Grade Percentage

TOPICAL OUTLINE:

<table>
<thead>
<tr>
<th>Topics</th>
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<tr>
<td>I. Connecting Information Management</td>
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<td>To Organizational Strategies in the Healthcare Environment</td>
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a. Overview and Evolution of the System
b. The Role of Information in Healthcare
c. Future Health Care Systems
d. Using Information Management in Strategic Planning
e. Using Information Management in the Clinical Setting
f. The Importance of Systems Integration

I. Information Technology Applications in Healthcare
   a. Electronic Medical Records
   b. Clinical Information systems
   c. Management/Administrative Financial Systems
   d. Information Systems for Nonhospital Organizations
   e. Project Management

II. Information Transfer
   a. Knowledge Management
   b. Data Warehousing, Data Mining, Workflows & Analytics

III. The Legal Environment
   a. Governmental Oversight in Healthcare & Information Technology’s Role
   b. Health Information Portability and Accountability Act
   c. Security