HIT 227
INFORMATICS PROJECT MANAGEMENT

COURSE DESCRIPTION:

Prerequisites: HIT 220
Corequisites: None

This course covers the required skills needed for implementing healthcare IT applications, with emphasis on electronic health records (EHR). Topics include leadership development skills, interdisciplinary collaboration, organizational change management, project management software, and the study of communication skills required across healthcare disciplines. Upon completion, students should be able to effectively collaborate and communicate with healthcare disciplines to implement informatics projects within the healthcare setting. Course Hours per Week: Class, 2. Lab, 2. Semester Hours Credit, 3.

Note: Students must pass all Health Information Technologies (HIT) courses with a C (77% or better) to graduate from the program. No course is considered passed unless a C (77% or better) is obtained.

OUTLINE OF AHIMA KNOWLEDGE CLUSTERS COVERED IN THIS COURSE:
Upon completion of this course, the student will have a general overview of:

a. Apply knowledge of data base architecture and design (such as data dictionary, data modeling, data warehousing) to meet departmental needs.
b. Use appropriate electronic or imaging technology for data/record storage.
c. Query and generate reports to facilitate information retrieval.
d. Design and generate reports using appropriate software.
e. Maintain archival and retrieval systems for patient information stored in multiple formats.
f. Coordinate, use, and maintain systems for document imaging and storage.
g. Apply confidentiality and security measures to protect electronic health information.
h. Protect data integrity and validity using software or hardware technology.
i. Apply departmental and organizational data and information system security policies.
j. Use and summarize data compiled from audit trail and data quality monitoring programs.
k. Contribute to the design and implementation of risk management, contingency planning, and data recovery procedures.
l. Participate in the planning, design, selection, implementation, integration, testing, evaluation, and support for organization-wide information systems.
m. Use the principles of ergonomics and human factors in work process design.
OUTLINE OF INSTRUCTION:

a. Foundations of Health Informatics  
b. Information Infrastructure  
c. Understanding Databases  
d. Implementing Healthcare Information Systems  
e. Data and Information Movement  
f. Privacy of Healthcare Informatics  
g. Security of Health Information  
h. Trends and Emerging Technologies