

NEW COURSE



NEW COURSE

Introduction to Health Informatics

FLORIDA STATE UNIVERSITY COLLEGE OF INFORMATION

NEW SPRING COURSE OPEN TO ALL MAJORS:

LIS 5916-32 (ref # 10957) meets Tuesday in HCB 315 from 6:00pm to 8:45pm

CONTACT INFO:

Prof. Ebe Randeree (234 LSB)
eranderee@ci.fsu.edu
850-645-5674 (phone)

850-644-6253 (fax)

This class is co-taught by 4 professors: Dr. Darrell Burke, Dr. John Gathegi, Dr. Mia Liza A. Lustria, & Dr. Ebe Randeree

COURSE DESCRIPTION:

Health Informatics is an emerging specialization in the health care industry that combines expertise in health care, information technology, and communications. The growth of healthcare in the economy has created an infusion of technology and has generated the need for information specialists specifically knowledgeable about various medical and health care issues as well as emerging technical solutions that can help improve health care delivery and health decision making. As electronic health records and advanced clinical and patient management systems become the norm, the need for skilled and trained professionals (Health Care Informaticists) will increase. This course provides students with a solid foundation of the concepts, both theoretical and practical, and the applications within the health industry.

COURSE OBJECTIVES:

This course is designed to introduce students to how theory and practice in health care, strategy, information technology, communications, and law are integrated in the management and delivery of health care in various situations.

Upon completion of the course, the student should be able to:

1. Explain the foundations of health care informatics.
2. Explain how technology fits within a wider health strategic framework.
3. Describe how technology is used to capture, store, analyze, and disseminate health and clinical information.
4. Describe the infrastructure needed to support health care informatics.
5. Determine how to identify and sell the Benefits of HIT to Key Stakeholders
6. Understand how to successfully manage Technology Changes
7. Describe the various ways information and communication technologies can be applied in health education and promotion
8. Describe the different ethical and legal issues that surround the application of technology in various health care settings.
9. Discuss various security issues that affect the application of health IT.
10. Discuss future trends in health care informatics.

COURSE PRE-REQUISITES: None. Knowledge of technology and medical terms are recommended