

**STATE UNIVERSITY OF NEW YORK  
COLLEGE OF TECHNOLOGY  
CANTON, NEW YORK**

**COURSE OUTLINE**

**HSMB 311 - HEALTH CARE INFORMATION TECHNOLOGY**

**PREPARED BY: M. Fiacco**

**SCHOOL OF BUSINESS AND LIBERAL ARTS  
HEALTH CARE MANAGEMENT  
Fall 2017**

A. **TITLE:** Health Care Information Technology

B. **COURSE NUMBER:** HSMB 311

C. **CREDIT HOURS:** 3

D. **WRITING INTENSIVE COURSE:** No

E. **COURSE LENGTH:** 15 weeks

F. **SEMESTER(S) OFFERED:** Spring

G. **HOURS OF LECTURE:** 3 lecture hours

H. **CATALOG DESCRIPTION:**

The course provides a comprehensive overview of health information systems and technology in healthcare delivery and public health. It explores the ways in which health information technology can assist healthcare managers in setting strategic goals, budgeting, personnel management, and data collection. The course also provides students with the strategic tools for planning, selecting, building, and implementing the health information systems' platforms necessary for the direct patient care and the management of hospital and public health sectors.

I. **PRE-REQUISITES/CO-COURSES:**

Pre-requisite: HSMB 304 U.S. Health Care System and HSMB 200 Medical Terminology course, or permission of instructor.

J. **GOALS (STUDENT LEARNING OUTCOMES):** By the end of this course, the student will:

Course Objective	Program SLO	Institutional SLO
1. Describe the impact of health information systems and technology on healthcare delivery.	Demonstrate effective oral and/or written communication skills.	1.Communication - Written
2. Analyze operational aspects in managing health information technology.	Analyze alternative management solutions in healthcare related problems and challenges.	2.Critical thinking - Inquiry and analysis
3. Analyze current health care challenges and how health information systems might help managers in meeting those challenges.	Analyze alternative management solutions in healthcare related problems and challenges.	2.Critical thinking - Inquiry and analysis

4. Evaluate methods of strategic planning, decision-making, and evaluation of health information systems utilization for healthcare delivery.	Demonstrate knowledge of strategic planning and decision making in the healthcare organization.	5. Industry, professional, discipline-specific knowledge and skills
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**K. TEXTS:**

Wager, K.A., Wickham Lee, F., & Glaser, J.P. Health Care Information Systems, 4<sup>th</sup> Edition, Wiley, 2017.

**L. REFERENCES: Will be provided in class.**

**M. EQUIPMENT: N/A**

**N. GRADING METHOD: A-F**

**O. MEASUREMENT CRITERIA/METHODS: Assignments, discussions, and quizzes will be used to measure attainment of course objectives.**

**P. DETAILED TOPICAL OUTLINE:**

**Part I: Major Environmental Forces that Shape the National Health Information System Landscape**

- 1) The National Health Information Technology Landscape
- 2) Health Care Data
- 3) Health Care Information Systems
- 4) Information Systems to Support Population Health Management

**Part II: Selection, Implementation, Evaluation, and Management of Health Care Information Systems**

- 1) System Acquisition
- 2) System implementation and Support
- 3) Assessing and Achieving Value in Health Care Information Systems
- 4) Organizing Information technology Services

**Part III: Laws, Regulations, and Standards that Affect Health Care Information Systems**

- 1) Privacy and Security
- 2) Performance Standards and Measures
- 3) Health Care Information Systems Standards

**Part IV: Senior-Level Management Issues Related to Health Care Information Systems Management**

- 1) IT Alignment and Strategic Planning
- 2) IT Governance and Management
- 3) Health IT Leadership Case Studies

**Q. LABORATORY OUTLINE: None**