

- h. Obtain an understanding of Security and Confidentiality Issues, Healthcare Information Management trends and risks.

III. Course activities

We will utilize readings, discussions, group activities, student participation, case studies, experiential learning, exercises, guest speakers, videos, lectures, handouts, projects, student presentations, report writing, research, faculty scholarship and faculty service to enable you to achieve the course objectives. Other learning methods and activities may also be used.

IV. Required Reading

Health Care Information Systems – A practical approach for health care management, second edition, Karen a. Wager, Frances Wickham Lee, John P. Glaser, forward by Lawton Robert Burns: Josse-Basse.

Reading in relevant journals, web sites, and other sources that will be identified in class.

(emphasis of journals and publications will include Healthcare Information and Management Systems Society (HIMSS), American College of Healthcare Executives (ACHE), and College of Healthcare Information Management Executives (CHIME).

V. Responsibilities and Grading

You are responsible for:

- Completing all reading assignments prior to schedule classes (except for the first class)

- Attending (on time) and meaningfully participating in class

In order to receive appropriate accommodations, students with disabilities must register with the center for teaching and learning excellence and provide relevant documentation. Students should contact Mary Ellen Pichiarello (extension 4039) or Jim Muniz (extension 4218), fifth floor, Saint Thomas hall, for an appointment.

You will earn your course grade based on the following components of your final grade:

20% = Class Participation (e.g. class assignments, activities, news, discussions, etc.)

30% = Case Presentations

20% = Quizzes

30%= Written Report

Letter grades will be earned based on the following percentages:

100-95=A 94-92=A- 91-89=B+ 88-86=B 85-83=B- 82-80=C+ 79-74=C below 74=F

VI. COURSE SCHEDULE

The Schedule has been planned to enable you to meet course objectives. It may change, based on students' interests, guest speaker's schedules, and other factors that evolve during the semester. Changes will be discussed with the class as much in advance as possible. Please inform me if you foresee any problems or concerns with the course schedule.

Class 1 – May 30

Student learning objectives

State and describe the purpose, methods, resources, expectations, and grading for this course.

Provide an overview of the major environmental forces that shape the national health information system landscape and discuss in detail health care data and its uses.

Class content

The National Health Information Technology Landscape

- 1990's: The Call for HIT
- 2000-2010: The Arrival of HIT
- 2010-Present: Health Care Reform and Growth of HIT
- Interoperability

Health Care Data

- Health care data and information defined
- Health care data and Information sources
- Health care data uses
- Health care data quality

Class 2 - June 6

Student Learning Objectives

Understand and discuss various information systems in Healthcare Organizations

Understand the History and Evolution of Healthcare Information Systems, the electronic medical record how various applications fit together and how organizations overcome barriers to adoption of technology. Understand population health purpose and the IT requirements to manage populations.

Class Content

Health Care Information Systems

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- Value of EHR systems
- Key issues related to EHR systems

Information Systems to Support Population Health

Define Population Health

Payment models

ACO challenges

Accountable care core processes

Health IT capabilities

Patient portals

From the record to plan

Class 3 - June 13

Student Learning Objectives

Discuss and understand systems implementation and support processes and review steps

Class Content

Assessing and Achieving Value in Health Care Information Systems

- Definition of IT-enabled value
- Differing objectives for projects
- Scoring objectives
- Reducing the budget
- Common proposal problems
- Ensuring the delivery of value
- The IT value challenges
- Digital maturity

Organizing Information Technology Services

- Health care information system
- Administrative v. clinical information systems
- Brief history of health care information systems
- Electronic (EHR) and personal (PHR) health records
- EHR adoption rates
- Value of EHR systems
- Key issues related to EHR systems

Class 5 – June 27

Student Learning Objectives

Evaluate and understand health care information system standards and the need for standards within the healthcare industry. Discuss and understand security of healthcare information systems.

Class Content

Organizing Information Technology Services

- Privacy, confidentiality, and security
- Legal protection
- HIPAA
- Privacy Rule
- Security Rule
- Breach Notification Rule
- Threats
- Cybersecurity
- NIST

Performance Standards and Measures

- Licensure, certification, and accreditation
- The Joint Commission
- National Committee for Quality Assurance (NCQA)
- Data sources for quality measures
- Comparative health care data sets
- Quality improvement
- Federal initiatives
- CMS initiatives
- Classification standards

Class 6 – July 11

Student Learning Objectives

Understand the new and emerging standards that govern health care data, transactions, and quality measures. Discuss the processes that an organization uses to develop and IT plan

Class Content

Health Care Information Standards

- Standards development process
- Standards developing organizations (SDOs)
- Organizations affecting health IT standards
- Health IT standards
- Vocabulary and terminology standards
- Data exchange and messaging standards
- Health record content and functional standards

IT Alignment and Strategic Planning

- Formulation and implementation
- Vectors for developing IT strategy
- The IT asset
- A normative approach to developing alignment and IT strategy
- IT strategy and alignment challenges
- Alignment at maturity
- Gartner's hype cycle

Class 7 – July 18

Student Learning Objectives

Provide an orientation to IT governance and Management and understand the competitive value of IT.

Class Content

IT Governance and Management

- IT governance
- Characteristics, responsibilities, structures
- IT budget
- Management role in major IT initiatives
- IT effectiveness
- IT to improve an organization's competitive position

Class 8 – July 25

Student Learning Objectives

Discuss case studies that provide real world situations. The class will be split into groups to discuss, research, and present case studies.