



**BAKER COLLEGE**  
**STUDENT LEARNING OUTCOMES**

**CIS3710 Introduction to Healthcare Informatics**  
**3 Semester Hours**

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**Student Learning Outcomes & Enabling Objectives**

1. Analyze how infrastructure challenges affect information management in healthcare.
  - a. Examine challenges both internally and externally regarding infrastructure in a healthcare facility.
  - b. Explain the training needs in information technology and information management for the healthcare professional.
  - c. Discuss the impact of financial issues regarding informatics on the healthcare profession.
  - d. Explore ways to address the implementation issues surrounding information management in healthcare.
  - e. Explain how the internet and social media can be used and the dangers of opening the network for these tools.
2. Examine how patient safety is impacted by information technology and information management.
  - a. Describe the various safety issues in healthcare regarding patient health records.
  - b. Outline the need to secure and protect data within the healthcare profession.
3. Examine patient safety as an outcome of information technology and information management.
  - a. Examine the ethical handling of patient information during and after treatment.
  - b. Identify the security issues surrounding the access of information within the healthcare profession.
  - c. Explain the need for coordination of information management with all departments in a healthcare facility.
  - d. Explain the importance of privacy and confidentiality of patient information in the healthcare profession.
4. Analyze the effect of standardization on information technology in healthcare.
  - a. Describe how government regulations impact information technology and information management in healthcare.
  - b. Discuss the requirement of Computerized Provider Order Entry (CPOE).
  - c. Discuss how information technology aids in the accuracy of medication and physician's orders to improve patient safety.
  - d. Examine the technology used in the practice of medicine.
  - e. Discuss the necessity for standard terminology used in healthcare.
  - f. Describe the use of plans, evidence, and outcomes based medicine in patient care.
5. Analyze key issues in information security as they relate to healthcare.

- a. Describe access management, information storage, and information portability within the healthcare profession.
  - b. Compare managing risk both inside and outside of a healthcare organization.
6. Examine the impact of healthcare information exchange initiatives.
  - a. Describe the key factors for consideration in creating an HIE infrastructure.
  - b. Understand the factors that lead to the successful development, advancement and deployment of policy.
  - c. Understand the factors that led to the emergence of healthcare reform as a policy imperative.
7. Regulation and accreditation of healthcare information systems.
  - a. Explain the differences between Medicare A, B, and C and Medicaid.
  - b. Explain the concerns of the Joint Commission in the accreditation of healthcare information systems.
  - c. Discuss elements of a good disaster plan and the need for continuity planning.
8. Integrate Technology, Informatics and the Internet into Nursing Education
  - a. Discuss the use of computer technology and web-based applications in nursing education and continuing education.
  - b. Discuss the use of mobile technologies in nursing education and continuing education.
9. Explain consumer education and Advanced Informatics.
  - a. Discuss the CHI concept.
  - b. Describe telehealth concepts and its challenges.
  - c. Describe ways computers and informatics can support evidence based practice and research.

### **Big Ideas**

- Technology
- Security
- Standardization

### **Essential Questions**

1. Why is patient safety the number one priority?
2. How is technology changing healthcare?
3. Why is standardization important in healthcare?
4. What are the implications of healthcare information ownership?
5. What are the information security challenges affecting healthcare?

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These SLOs are approved for experiential credit.

**Effective: Fall 2017**