

# Syllabus for HIMT410

## Healthcare Systems: Implementation and Integration

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**NOTE:** This syllabus document contains the basic information of this course. The most current syllabus is available in the full course.

### Course Description

This course is organized into nine lessons and examines the back-end stages of the healthcare system development lifecycle through the procurement route: analysis of current systems and the development of the justification for a systems implementation, development of technical design specifications, procurement procedures (RFP, RFQ, vendor evaluation and selection and contracting), systems configuration and integration, testing, installation, conversion, operation maintenance and post-conversion auditing and monitoring. A look into consumer informatics and its impact on healthcare information systems, health information exchange and interoperability, privacy and security and information and data governance will also be emphasized.

### Prerequisite(s)

- HIMT 301: Digital Literacy in Healthcare
- HIMT 370: Healthcare Systems: Analysis and Design

### Course Outcomes

At the conclusion of this course, you will be able to:

- Create workflow documents that depict organizational processes for healthcare facilities.
- Evaluate electronic applications/systems for clinical classification and coding.
- Create plans for implementation of electronic health records systems.
- Construct models that document the data needs of the enterprise.
- Recommend clinical, administrative, and specialty service applications.
- Distinguish among the functional components of electronic health records systems for different types of healthcare facilities.
- Analyze processes for procurement and system selection.
- Distinguish between interoperability and health information exchange.

- Analyze system architectures, database design, and data warehousing to support clinical applications.
- Distinguish among varying consumer health applications.
- Differentiate between various models for health information exchange.
- Examine various software applications utilized by a HIM department.
- Determine how to implement security measures and safeguards to ensure the protection and integrity of patient data.
- Examine the principles of information and data governance.

## Course Components/Requirements

The course consists of the following activities:

- Textbook and other assigned readings
- Review of complementary textbook slide decks
- Homework assignments (including HealthIT.gov curriculum)
- Discussions

## Grading

The following grading scale will be used to evaluate all course requirements and to determine your final grade:

Grade	Percentage Range
A	90% - 100%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0 - 59%

Assignment	Points
Discussions (5 x 100 pts)	500
Homework Assignments (12 x 100 pts)	1200
<b>Total</b>	<b>1700 Points</b>