



**Course Information**

<b>Course Title</b>	Health Information Systems
<b>Course Prefix, Num. and Title</b>	HITT 1311
<b>Division</b>	Allied Health
<b>Department</b>	Health Information Technology
<b>Course Type</b>	WECM Course
<b>Course Catalog Description</b>	Introduction to health IT standards, health-related data structures, software applications and enterprise architecture in health care and public health.
<b>Pre-Requisites</b>	HITT 1301 and COSC 1301 (may be taken concurrently).
<b>Co-Requisites</b>	Enter Co-Requisites Here.

**Semester Credit Hours**

<b>Total Semester Credit Hours (SCH): Lecture Hours:</b>	3:3:1
<b>Lab/Other Hours</b>	
<b>Equated Pay Hours</b>	3.5
<b>Lab/Other Hours Breakdown: Lab Hours</b>	1
<b>Lab/Other Hours Breakdown: Clinical Hours</b>	Enter Clinical Hours Here.
<b>Lab/Other Hours Breakdown: Practicum Hours</b>	Enter Practicum Hours Here.
<b>Other Hours Breakdown</b>	List Total Lab/Other Hours Here.

**Approval Signatures**

<b>Title</b>	<b>Signature</b>	<b>Date</b>
<b>Prepared by:</b>		
<b>Department Head:</b>		
<b>Division Chair:</b>		
<b>Dean/VPI:</b>		
<b>Approved by CIR:</b>		

## Additional Course Information

**Topical Outline:** Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

- A. Introduction
- B. Software Applications
- C. Data Quality
- D. Databases
- E. System Selection and Implementation
- F. Data Storage and Retrieval
- G. Computers in HIM
- H. Administrative Information Systems
- I. Clinical Information Systems
- J. Electronic Health Record
- K. Speech Recognition
- L. Privacy and Security
- M. Role of HIM professional in Information Systems
- N. Future of Computers in Healthcare

### Course Learning Outcomes:

**Learning Outcomes – Upon successful completion of this course, students will:**

1. Describe the general functions, purposes and benefits of health information systems; describe the evolution and adoption of health information systems; compare health information systems in terms of their ability to support the requirements of a health care enterprise; explain the impact of electronic health records on reporting outcomes; explain strategies to minimize major barriers to the adoption of electronic health records; explain the principles of health care data exchange and standards; review workflow design and assessment, and their relationship to patient care, productivity and data analysis; propose the hardware, software, operating systems and networking considerations necessary for effective data storage and use in health care organizations.
2. Utilize the tools and techniques for collecting, storing, securing, retrieving, and reporting health care data.

**Methods of Assessment:**

1. Written exams; request for proposal project; assignments
2. Request for proposal project; assignments.

### Required text(s), optional text(s) and/or materials to be supplied by the student:

Sayles, Nanette B & Kavanaugh-Burke, Lauralyn, Introduction to Information Systems for Health Information Technology, 3<sup>rd</sup> Edition. Chicago, IL. AHIMA Press, 2018.

Access to a computer with a webcam and microphone, a reliable internet connection, and access to the WCJC Blackboard website.

### Suggested Course Maximum:

20

### List any specific or physical requirements beyond a typical classroom required to teach the course.

Access to technology for [www.courses](http://www.courses).

**Course Requirements/Grading System:** Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

Grading scale:

93—100% A  
85—92% B  
78—84% C  
70—77% D  
69—0% F

Final evaluation will be based on grades achieved during the semester and the final exam:

Daily Grade Average 20%

Request for Proposal Project 10%

Test Average 60%

Final Exam 10%

### Curriculum Checklist:

- Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.
- Administrative WCJC Core Course.** Attach the Core Curriculum Review Forms
  - Critical Thinking
  - Communication
  - Empirical & Quantitative Skills
  - Teamwork
  - Social Responsibility
  - Personal Responsibility
- WECM Course** -If needed, revise the Program SCANS Matrix and Competencies Checklist