Course Title: Health Information Systems
Course Prefix and Number: HITT 1311
Department: Health Information Technology
Division: Allied Health
Course Type: (check one)

- Academic General Education Course (from ACGM – but not in WCJC Core)
- Academic WCJC Core Course
- WECM course (This course is a Special Topics or Unique Needs Course: Y or N)

Semester Credit Hours #: Lecture Hours #: Lab/Other Hours #: 3:3:1

Equated Pay hours for course – 3.5

Course Catalog Description: Introduction to health IT standards, health-related data structures, software applications and enterprise architecture in health care and public health.

Prerequisites/Co-requisites: HITT 1301 and COSC 1301 (may be taken concurrently).

Purpose: It is the intention of this Administrative-Master Syllabus to provide a general description of the course, outline the required elements of the course and to lay the foundation for course assessment for the improvement of student learning, as specified by the faculty of Wharton County Junior College, regardless of who teaches the course, the timeframe by which it is instructed, or the instructional method by which the course is delivered. It is not intended to restrict the manner by which an individual faculty member teaches the course but to be an administrative tool to aid in the improvement of instruction.

Prepared by: Mary Jo Spanihel
Date: 09/17/2013

Reviewed by Department Head: Debbie Lutringer
Date: 09/17/2013

Accuracy Verified by Division Chair: Carol Derkowski
Date: 04/04/2014

Approved by Dean or Vice President of Instruction: Amy LaPan
Date: 4-4-2014
I. Topical Outline – Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, clinical or other non-lecture instruction):

1. Introduction
2. Software Applications
3. Data Quality
4. Databases
5. System Selection and Implementation
6. Data Storage and Retrieval
7. Computers in HIM
8. Administrative Information Systems
9. Clinical Information Systems
10. Electronic Health Record
11. Speech Recognition
12. Privacy and Security
13. Role of HIM professional in Information Systems
14. Future of Computers in Healthcare

II. Course Learning Outcomes

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<thead>
<tr>
<th>Learning Outcome</th>
<th>Methods of Assessment</th>
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<tr>
<td>Upon successful completion of this course, students will:</td>
<td>Written exams; request for proposal project; assignments</td>
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<td>Describe the general functions, purposes and benefits of health information systems; described 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.</td>
<td>Request for proposal project; assignments.</td>
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<td>Utilize the tools and techniques for collecting, storing, securing, retrieving, and reporting health care data.</td>
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III. Required Text(s), Optional Text(s) and/or Materials to be Supplied by Student.

- Texas Health Information Management Association. *Health Information Manual*, Austin, TX, 2002
- Regular access to appropriate technology for [www.courses](http://www.courses).
IV. Suggested Course Maximum - 20

V. List any specific spatial or physical requirements beyond a typical classroom required to teach the course.
   Regular conventional classroom or computer lab. Instructor must have training in, and access to all appropriate technology for www.courses

VI. 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%

VII. Curriculum Checklist

☐ - Academic General Education Course (from ACGM – but not in WCJC Core)
   No additional documentation needed

☐ - Academic WCJC Core Course
   Attach the Core Curriculum Checklist, including the following:
   • Basic Intellectual Competencies
   • Perspectives
   • Exemplary Educational Objectives

☑ - WECM Courses
   If needed, revise the Program SCANS Matrix & Competencies Checklist.