



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.

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).

List Lab/ Other Hours
Lab Hours 1
Clinical Hours
Practicum Hours
Other (list)

Prepared by Mary Jo Spanihel

Date 10/12/2012

Reviewed by department head Debbie Lutringer

Date 10/12/2012

Accuracy verified by Division Chair Carol Derkowski

Date 11/12/12

Approved by Dean of Vocational Instruction or Vice President of Instruction SDees

Date 11/12/12



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

Course Learning Outcome	Method of Assessment
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.	Written exams; request for proposal project; assignments
Utilize the tools and techniques for collecting, storing, securing, retrieving, and reporting health care data.	Request for proposal project; assignments.

III. Required Text(s), Optional Text(s) and/or Materials to be Supplied by Student.

Sayles, Nanette B & Trawick, Kathy C., Introduction to Computer Systems for Health Information Technology, Chicago, IL. AHIMA Press, 2010.

Harman, Laurinda B. Ethical Challenges in the Management of Health Information, 2nd Edition, Sudbury, MA, Jones & Bartlett Publishers, 2006.

Texas Health Information Management Association. Health Information Manual, Austin, TX. 2002

Regular access to appropriate technology for 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.