

Computers in Healthcare (HITT 1311) Online



Credit 2 semester credit hour (2 hours lecture)

Prerequisite/Co-requisite: HITT 1301, Microcomputer Applications (BCIS 1305). Complete the Online Orientation and answer yes to 7+ questions on the Online Learner Self-Assessment: <http://www.lit.edu/depts/DistanceEd/OnlineOrientation/OOStep2.aspx>

Course Description

Concepts of computer technology related to health care data. *This course is time-bound, structured, and completed totally online.*

Required Textbook and Materials

1. Sales, N. and Trawick, K., *Introduction to Information Systems for Health Information Technology, 4th edition*, AHIMA Press
2. ISBN: 9781584267423
3. Computer with internet access.
4. VLAB Access Code (Instructor will provide)

Course Objectives

Upon completion of the course, the student should be able to:

1. Identify the purpose and value of computer functions
2. How to care for and maintain computer components
3. Complete computerized task performance assignments
4. Perform systems back-up
5. Utilize tools and techniques for collecting, storing, securing, retrieving and reporting health care data
6. Be able to work with an electronic patient record

Refer to the AHIMA Entry-Level Competency Matrix appended to the syllabi for a list of Domains and Competencies met within the HIT curriculum.

Course Outline

- | | |
|---|---------------------------------------|
| A. Introduction to Computers in Health Information Management | I. Electronic Health Record |
| B. Information Integrity and Data Quality | J. Consumer Informatics |
| C. Databases | K. Health Information Exchange |
| D. System Selections | L. Security |
| E. System Implementation | M. Security Compliance and Monitoring |
| F. Computerization in Health Informatics and Information Management | |
| G. Administrative Information Systems | |
| H. Clinical Information Systems | |

Revised July 2022

Grade Scale:

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|----------|---|
| 90 - 100 | A |
| 80 - 89 | B |
| 70 - 79 | C |
| 60 - 69 | D |
| 0 - 59 | F |

Course Evaluation:

Final grades will be calculated according to the following criteria:

| | |
|----------------------------|-----|
| Participation/Discussions | 20% |
| Course Assignments/Quizzes | 20% |
| Unit Exams (4) | 45% |
| Comprehensive Final Exam | 15% |

Course Policies:

1. Students must provide their own textbooks, writing instruments, and other necessary supplies for classes.
2. Internet Usage – Students are expected to use proper net etiquette while participating in course emails, assignment submissions, and online discussions.
3. Cheating of any kind will not be tolerated. If proven to have cheated, a grade of “0” will be assigned and possible expulsion from the class and/or program.
4. Additional course policies are outlined in “Syllabus Addendum” provided at the beginning of the semester.
5. Students are expected to follow the Lamar Institute of Technology Code of Conduct and Disciplinary Policy
6. Any violation of classroom policies may result in student being asked to leave class and result in an absence.
7. **If you wish to drop a course, the student is responsible for contacting Student Services to initiate dropping of the course. If you stop logging-in to the course and do not complete the course drop process, then you will receive an “F” grade for the course.**
8. **INSTRUCTOR RESPONSE:**
 - a. The instructor will respond to e-mail and voice mail communication within 24 hours Monday through Friday with the exception of weekends, holidays, and if out of the office due to training/sickness.
 - b. Assignment grades will be published within 2 weeks of the assignment due date.
9. **ATTENDANCE:**
 - a. Students must log onto Blackboard and access this course a minimum of 3 times per week.
 - b. All exams will be taken on the scheduled dates.
 - c. All assignments are due when stated.

- d. If there is an extenuating circumstance, please reach out to the instructor for establishing a plan of action on making up the missed assignments/exams. Extenuating circumstances will be determined on an individual case-by-case basis.

Technical Requirements:

The latest technical requirements, including hardware, compatible browsers, operating systems, software, Java, etc. can be found online at:

<http://kb.blackboard.com/pages/viewpage.action?pageId=25368512>

A functional internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of the online technology and resources.

Disabilities Statement:

The Americans with Disabilities Act of 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409) 839-2018 or visit the online resource:

<http://www.lit.edu/depts/stuserv/special/defaults.aspx>

Student Code of Conduct Statement:

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu or obtained in print upon request at the Student Services Office.

Starfish:

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.