

Note:

Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form, and should not be used to purchase course materials.

COURSE SYLLABUS

INFO 410

HEALTHCARE ENTERPRISE SYSTEMS

COURSE DESCRIPTION

Healthcare enterprise architecture planning, methodology, and frameworks; medical classification and coding systems including health record system design and implementation.

RATIONALE

Until the past decade, the medical arena has lagged in its reliance on enterprise support systems. The healthcare system has seen consistent failures in the adoption of electronic medical systems. This course serves to examine the complex requirements involved in correctly planning an enterprise healthcare system, including the use of electronic medical records. This course is a logical follow-up to the Informatics Information Systems.

I. PREREQUISITE

For information regarding prerequisites for this course, please refer to the [Academic Course Catalog](#).

II. REQUIRED RESOURCE PURCHASE

Click on the following link to view the required resource(s) for the term in which you are registered: <http://bookstore.mbsdirect.net/liberty.htm>

III. ADDITIONAL MATERIALS FOR LEARNING

- A. Computer with basic audio/video output equipment
- B. Internet access (broadband recommended)
- C. Blackboard [recommended browsers](#)
- D. Microsoft Office

IV. MEASURABLE LEARNING OUTCOMES

Upon successful completion of this course, the student will be able to:

- A. Integrate a biblical worldview within informatics.
- B. Distinguish between enterprise architecture methodologies and frameworks.
- C. Examine medical enterprise information systems.
- D. Illustrate modeling, design, and maintenance of enterprise healthcare systems.
- E. Design a healthcare information system prototype.

V. COURSE REQUIREMENTS AND ASSIGNMENTS

A. Textbook readings and lecture presentations

B. Course Requirements Checklist

After reading the Course Syllabus and [Student Expectations](#), the student will complete the related checklist found in Module/Week 1.

C. Discussion Board Forums (5)

Discussion boards are collaborative learning experiences. Therefore, the student is required to provide a thread in response to the provided prompt for each forum. Each thread must be 400 words, demonstrate course-related knowledge, and include at least 1 scholarly reference in addition to the course textbooks and the Bible. In addition to the thread, the student is required to reply to 2 other classmates' threads. Each reply must be 300 words and contain at least 1 scholarly reference in addition to the course textbooks and the Bible.

D. Projects (2)

The student will complete 2 research based projects which will build on one another and aid in the completion of the Final Project. Each project will focus on a topic in Healthcare Enterprise Systems. Each project must be in current APA format and contain 8–10 scholarly references in addition to the course textbook and the Bible.

E. Final Project

The student will complete a research-based project in current APA format that focuses on a topic in Healthcare Enterprise Systems. The assignment will be a culmination of the other projects in the course and must contain 8–10 scholarly references in addition to the course textbook and the Bible.

F. Quizzes (4)

Each quiz will cover the Reading & Study material for the assigned modules/weeks. Each quiz will be open-book/open-notes, contain 5 true/false questions, 15 multiple-choice, and 5 short answer questions, and have a 30-minute time limit.

VI. COURSE GRADING AND POLICIES**A. Points**

Course Requirements Checklist		10
Discussion Board Forums	(5 at 50 pts ea)	250
Projects	(2 at 150 pts ea)	300
Final Project		250
Quiz 1	(Modules 1–2)	50
Quiz 2	(Modules 3–4)	50
Quiz 3	(Modules 5–6)	50
Quiz 4	(Modules 7–8)	50
	Total	1010

B. Scale

A = 900–1010 B = 800–899 C = 700–799 D = 600–699 F = 0–599

C. Disability Assistance

Students with a documented disability may contact Liberty University Online's Office of Disability Academic Support (ODAS) at LUOODAS@liberty.edu to make arrangements for academic accommodations. Further information can be found at www.liberty.edu/disabilitysupport.

COURSE SCHEDULE

INFO 410

MODULE/ WEEK	READING & STUDY	ASSIGNMENTS	POINTS
1	Jones & Groom: chs. 1–2 1 presentation	Course Requirements Checklist Class Introductions DB Forum 1	10 0 50
2	Jones & Groom: chs. 3, 5, 12 1 presentation	Quiz 1	50
3	Jones & Groom: ch. 4 1 presentation	DB Forum 2 Project 1	50 150
4	Jones & Groom: ch. 8 1 presentation	DB Forum 3 Quiz 2	50 50
5	Jones & Groom: ch. 9 1 presentation	DB Forum 4	50
6	Dennis et al.: chs. 4–6 Jones & Groom: ch. 10 1 presentation	Project 2 Quiz 3	150 50
7	Dennis et al.: chs. 5–6, appendices Jones & Groom: ch. 11 1 presentation	DB Forum 5	50
8	Jones & Groom: ch. 13 1 presentation	Final Project Quiz 4	250 50
TOTAL			1010

DB = Discussion Board

NOTE: Each course module/week (except Module/Week 1) begins on Tuesday morning at 12:00 a.m. (ET) and ends on Monday night at 11:59 p.m. (ET). The final module/week ends at 11:59 p.m. (ET) on **Friday**.