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 electronic 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 (INFO 405) and Systems Analysis and Design (BMIS 351) courses, which are prerequisites.

I. PREREQUISITES
For information regarding prerequisites for this course, please refer to the Academic Course Catalog.

II. REQUIRED RESOURCE PURCHASES
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. 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/notes

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 (4)

   Discussion boards are collaborative learning experiences. Therefore, the student is required to provide a thread in response to the provided prompt for each forum. The thread and replies will be broken up over 2 modules/weeks, with the thread in the first module/week and the replies in the following. Each thread must be 400 words, demonstrate course-related knowledge, and include at least 1 scholarly reference in addition to the course textbook and the Bible. 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 textbook 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 at least 3 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 at least 8 scholarly references in addition to the course textbook and the Bible.

F. Quizzes (4)

   Each quiz will cover the Reading & Study material for the module(s)/week(s) in which it was assigned. Each quiz will be open-book/open-notes, contain 20–25 multiple-choice and true/false questions, and have a 60-minute time limit.

VI. **Course Grading and Policies**

A. Points

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Requirements Checklist</td>
<td>10</td>
</tr>
<tr>
<td>Discussion Board Forums</td>
<td></td>
</tr>
<tr>
<td>Threads (4 at 50 pts ea)</td>
<td>200</td>
</tr>
<tr>
<td>Replies (4 at 25 pts ea)</td>
<td>100</td>
</tr>
<tr>
<td>Projects (2 at 150 pts ea)</td>
<td>300</td>
</tr>
<tr>
<td>Final Project</td>
<td>200</td>
</tr>
<tr>
<td>Quizzes (Modules 2, 4, 5, and 7)</td>
<td>200</td>
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<tr>
<td><strong>Total</strong></td>
<td>1010</td>
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B. Scale
C. Late Assignment Policy

If the student is unable to complete an assignment on time, then he or she must contact the instructor immediately by email.

Assignments that are submitted after the due date without prior approval from the instructor will receive the following deductions:

1. Late assignments submitted within one week of the due date will receive a 10% deduction.
2. Assignments submitted more than one week late will receive a 20% deduction.
3. Assignments submitted two weeks late or after the final date of the course will not be accepted.
4. Late Discussion Board threads or replies will not be accepted.

Special circumstances (e.g. death in the family, personal health issues) will be reviewed by the instructor on a case-by-case basis.

D. 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


<table>
<thead>
<tr>
<th>MODULE/WEEK</th>
<th>READING &amp; STUDY</th>
<th>ASSIGNMENTS</th>
<th>POINTS</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Jones &amp; Groom: chs. 1–2 1 presentation</td>
<td>Course Requirements Checklist  Class Introductions  DB Forum 1: Thread</td>
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<tr>
<td>2</td>
<td>Jones &amp; Groom: chs. 3, 5, 12 1 presentation</td>
<td>DB Forum 1: Replies  Quiz 1</td>
<td>25 50</td>
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<td>3</td>
<td>Jones &amp; Groom: ch. 4 1 presentation</td>
<td>DB Forum 2: Thread  Project 1</td>
<td>50 150</td>
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<td>4</td>
<td>Jones &amp; Groom: ch. 8 1 presentation</td>
<td>DB Forum 2: Replies  Quiz 2</td>
<td>25 50</td>
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<tr>
<td>5</td>
<td>Jones &amp; Groom: ch. 9 1 presentation</td>
<td>DB Forum 3: Thread  Quiz 3</td>
<td>50 50</td>
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<td>6</td>
<td>Jones &amp; Groom: ch. 10 1 presentation</td>
<td>DB Forum 3: Replies  Project 2</td>
<td>25 150</td>
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<tr>
<td>7</td>
<td>Jones &amp; Groom: ch. 11 1 presentation</td>
<td>DB Forum 4: Thread  Quiz 4</td>
<td>50 50</td>
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<td>8</td>
<td>Jones &amp; Groom: ch. 13 1 presentation</td>
<td>DB Forum 4: Replies  Final Project</td>
<td>25 200</td>
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</tbody>
</table>

**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**.