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 320
HEALTHCARE INFORMATICS

COURSE DESCRIPTION
Evaluates the needs of end users within the healthcare system; multi-phase project planning, evaluation, adoption and management of new technologies centered on effectively and efficiently exchanging electronic health information; evaluation of medical practice workflows and exploration of the functional needs of end-users while analyzing the fiscal and human resource commitments needed in diverse settings.

RATIONALE
Health Informatics, an evolving field, utilizes information technology to collect, store, process, and communicate data and knowledge related to the delivery and support of healthcare. A diverse discipline, Health Informatics incorporates processes, procedures, theories, and concepts from computer and information sciences, health sciences, and the social sciences. The ultimate goal of health informatics is to provide efficient and effective access, retrieval, and support in managing healthcare information while improving the overall health status of all.

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. Develop skills necessary to utilize health information technology for knowledge management.
C. Describe key financial indicators related to the utilization of health information technology in an organization.
D. Apply the systems development life cycle (SDLC) approach to the utilization of health information systems.

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 at least 300 words and demonstrate course-related knowledge. In addition to the thread, the student is required to reply to 2 other classmates’ threads. Each reply must be at least 150 words. Each thread and reply must include a Scripture reference and at least 1 citation in current APA format.

D. Case Study Discussion Board Forums (3)

The student is required to participate in Case Study Discussion Board Forums in order to generate discussion, interact with each case study, and reflect on other students’ perspectives. The student is required to post 1 thread of at least 500 words in response to the assigned case study. The student will then post replies of at least 150 words to 2 other classmates’ threads. Each thread and reply must include an integration of biblical principles and have at least 1 Scripture reference and 1 additional scholarly resource cited in current APA format.

E. Research Project Part 1: Annotated Bibliography

The student will be placed into a group for the Research Project. Part 1 requires each group to research 15 scholarly articles from peer-reviewed journals in order to establish research for Part 3 of the Research Project. The student will use a provided template to annotate each source. Current APA format must be used. One member of the group will submit the final version of the Annotated Bibliography. The student is required to read all instructor feedback and implement it on future assignments.

F. Research Project Part 2: Outline

The student will complete a full sentence outline in preparation for Part 3 of the Research Project. The outline will include a thesis statement, the research question(s)/issues being answered/addressed, how much space will be allotted to each section of the paper, and a preliminary reference list of at least 15 sources. One member of the group will submit the final version of the Outline. The student is required to read all instructor feedback and implement it on future assignments.

F. Research Project Part 3: Final Document

Each group of students will be responsible for constructing and reviewing the final document. The student will work collaboratively on a 10–15-page paper in
current APA format, complying with the formatting and content instructions. The topic of the paper will be selected by the group and will focus on a current issue concerning the use of health informatics in quality management and decision support within the healthcare industry. Each student must contribute weekly to the group's discussion in the Group Discussion Board Forum about this paper. One member of the group will submit the final version of this assignment.

G. Quizzes (6)

Each quiz will cover the Reading & Study material for the assigned modules/weeks. Each quiz will be open-book/open-notes, contain 20 multiple-choice and/or multiple answer questions, and will have a 30-minute time limit.

VI. COURSE GRADING AND POLICIES

A. Points

<table>
<thead>
<tr>
<th>Course Requirement</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Requirements Checklist</td>
<td>10</td>
</tr>
<tr>
<td>Discussion Board Forums (5 at 50 pts ea)</td>
<td>250</td>
</tr>
<tr>
<td>Case Study Discussion Board Forums (3 at 75 pts ea)</td>
<td>225</td>
</tr>
<tr>
<td>Research Project</td>
<td>300</td>
</tr>
<tr>
<td>Part 1: Annotated Bibliography</td>
<td>90</td>
</tr>
<tr>
<td>Part 2: Outline</td>
<td>90</td>
</tr>
<tr>
<td>Part 3: Final Document</td>
<td>105</td>
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<tr>
<td>Quizzes (6 at 40 pts ea)</td>
<td>240</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1010</td>
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</tbody>
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B. Scale

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

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. Plagiarism
Plagiarism will not be tolerated. Plagiarism commonly occurs when the student utilizes an author’s words and not properly attributing the source. All sources must be referenced. No cutting and pasting or copying unless quoting. Purchasing papers of any form will result in automatic failure for the course and a recommendation for expulsion.

E. 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 320


## MODULE/WEEK | READING & STUDY | ASSIGNMENTS | POINTS
---|---|---|---
1 | Brown & Patrick: ch. 1  
Nelson & Staggers: chs. 1–5 
1 presentation | Course Requirements Checklist  
Class Introductions  
DB Forum 1  
Quiz 1 | 10  
0  
50  
40
2 | Brown & Patrick: ch. 13 
Nelson & Staggers: chs. 23–25 
1 presentation | DB Forum 2  
Quiz 2 | 50  
40
3 | Brown & Patrick: chs. 3, 7, 14 
Nelson & Staggers: chs. 6–8, 16 
Brown & Patrick: Case Study - Zenith Internal Medicine  
1 presentation | Case Study DB Forum 1  
Research Project Part 1: Annotated Bibliography  
Quiz 3 | 75  
90  
40
4 | Brown & Patrick: ch. 11 
Nelson & Staggers: chs. 9–12 
1 presentation | DB Forum 3  
Quiz 4 | 50  
40
5 | Nelson & Staggers: chs. 13–15 
1 presentation | DB Forum 4  
Research Project Part 2: Outline  
Quiz 5 | 50  
90  
40
6 | Brown & Patrick: ch. 12  
Brown & Patrick: Case Study - Whose Body? 
1 presentation | Case Study DB Forum 2 | 75
7 | Nelson & Staggers: ch. 30 
1 presentation | DB Forum 5  
Research Project Part 3: Final Document | 50  
105
8 | Nelson & Staggers: ch. 31  
Brown & Patrick: Case Study - Medical Banking: The Next Frontier of Health Information Technology and Financing 
1 presentation | Case Study DB Forum 3  
Quiz 6 | 75  
40

**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.