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.
BMIS 375
INTRODUCTION TO HUMAN-COMPUTER INTERACTION

COURSE DESCRIPTION
This course provides a study and application of the concepts, theory, and practice of effective user interactive computer software, including user-centered design principles, guidelines and evaluation for designing a software product. Cognitive and social aspects of human interaction will be examined in conjunction with elements of technological devices. Human interaction with mobile applications, internet applications, social networking technology, cloud computing, and stand-alone applications will be explored.

RATIONALE
This course is a cornerstone of application and web development as it focuses on the importance and usability of system interfaces. It is included in several of the BMIS cognates as well as a required course in the Web Technology degree program.

I. PREREQUISITES
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. Microsoft Word
(Microsoft Office is available at a special discount to Liberty University students.)

IV. MEASURABLE LEARNING OUTCOMES
Upon successful completion of this course, the student will be able to:
A. Recognize issues of system usability.
B. Perform usability testing.
C. Correlate decision making strategies and information presentation.
D. Apply guidelines for system usability in stand-alone, web-based, and mobile applications.
E. Discuss the relevance of course material and the use of technology to a biblical worldview.

V. COURSE REQUIREMENTS AND ASSIGNMENTS

A. Textbook readings and lecture presentations

B. Course Requirements Checklist

After reading the Syllabus and Student Expectations, the student will complete the related checklist found in Module/Week 1.

C. Discussion Board Forums (2)

The student will discuss the assigned reading material on Ethical Standards with fellow classmates in the Discussion Board Forums. In order to receive full credit for each forum, the student must answer the question(s) for each module/week and reply to at least 2 classmates’ initial threads. Initial threads are due by 11:59 p.m. (ET) on Thursday, and replies are due by 11:59 p.m. (ET) on Monday of the assigned module/week.

D. Article Summaries (6)

Six of the 8 modules/weeks include a peer-reviewed paper that the student must read and summarize in a minimum of 500 words. The articles are intended to reinforce and augment materials covered in the textbook. The summaries will be submitted as Word documents in Blackboard. These assignments are due by 11:59 p.m. (ET) on Monday of the assigned module/week.

E. Assignments (8)

Each module/week’s assignment is designed to reinforce and measure understanding of the materials covered in the assigned readings. Assignments will be submitted via Word documents and submitted in Blackboard. Assignments 1–7 are due by 11:59 p.m. (ET) on Monday of their assigned module/week, and Assignment 8 is due by 11:59 p.m. (ET) on Friday of Module/Week 8.

F. Final Project

The Final Project is a culmination of all the design guidelines presented in this course. It must be completed individually and include a mock-up of a system (to be submitted as zipped files in Blackboard—can be screen shots or a Visual Basic solution), as well as a 10-page document (also submitted in Blackboard) describing the system and how it meets the guidelines presented in the course. This assignment is due by 11:59 p.m. (ET) on Friday of Module/Week 8.

G. Quizzes (8)

Each quiz will cover the assigned reading material for that module/week. The quizzes will include a combination of true/false, multiple-choice, and/or matching questions. These quizzes are open-book/open-notes; however, only one attempt is allowed for each. Each quiz has a 50-minute time limit and must be completed in one sitting.
VI. COURSE GRADING AND POLICIES

A. Points

<table>
<thead>
<tr>
<th>Item</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Requirements Checklist</td>
<td>10</td>
</tr>
<tr>
<td>Discussion Board Forums (2 at 20 pts ea)</td>
<td>40</td>
</tr>
<tr>
<td>Assignments (8 at 50 pts ea)</td>
<td>400</td>
</tr>
<tr>
<td>Article Summaries (6 at 10 pts ea)</td>
<td>60</td>
</tr>
<tr>
<td>Final Project</td>
<td>100</td>
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<tr>
<td>Quizzes (8 at 50 pts ea)</td>
<td>400</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1010</td>
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</tbody>
</table>

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 class 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

## BMIS 375


<table>
<thead>
<tr>
<th>Module/Week</th>
<th>Reading &amp; Study</th>
<th>Assignments</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Galitz: chs. 1–2&lt;br&gt;1 presentation&lt;br&gt;1 article</td>
<td>Course Requirements Checklist&lt;br&gt;Assignment 1&lt;br&gt;Article Summary 1&lt;br&gt;Quiz 1</td>
<td>10 50 10 50</td>
</tr>
<tr>
<td>2</td>
<td>Galitz: Part 2, Steps 1–2&lt;br&gt;1 presentation&lt;br&gt;1 article</td>
<td>Assignment 2&lt;br&gt;Article Summary 2&lt;br&gt;Quiz 2</td>
<td>50 10 50</td>
</tr>
<tr>
<td>3</td>
<td>Galitz: Part 2, Step 3&lt;br&gt;1 presentation&lt;br&gt;1 article</td>
<td>DB Forum 1&lt;br&gt;Assignment 3&lt;br&gt;Article Summary 3&lt;br&gt;Quiz 3</td>
<td>20 50 10 50</td>
</tr>
<tr>
<td>4</td>
<td>Galitz: Part 2, Step 4&lt;br&gt;1 article</td>
<td>Assignment 4&lt;br&gt;Article Summary 4&lt;br&gt;Quiz 4</td>
<td>50 10 50</td>
</tr>
<tr>
<td>5</td>
<td>Galitz: Part 2, Steps 5–7&lt;br&gt;1 presentation&lt;br&gt;1 article</td>
<td>Assignment 5&lt;br&gt;Article Summary 5&lt;br&gt;Quiz 5</td>
<td>50 10 50</td>
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<tr>
<td>6</td>
<td>Galitz: Part 2, Steps 8–10&lt;br&gt;1 article</td>
<td>Assignment 6&lt;br&gt;Article Summary 6&lt;br&gt;Quiz 6</td>
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<tr>
<td>7</td>
<td>Galitz: Part 2, Steps 11–13</td>
<td>DB Forum 2&lt;br&gt;Assignment 7&lt;br&gt;Quiz 7</td>
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<tr>
<td>8</td>
<td>Galitz: Part 2, Step 14</td>
<td>Assignment 8&lt;br&gt;Final Project&lt;br&gt;Quiz 8</td>
<td>50 100 50</td>
</tr>
</tbody>
</table>

**Total**: 1010

**DB** = Discussion Board

**NOTE**: Each course 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 week ends at 11:59 p.m. (ET) on Friday.