

**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***

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### **CSIS 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. (Formerly BMIS 375, CSCI 375)

#### **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 CSIS cognates as well as a required course in the Web Technology degree program.

#### **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. 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.
- D. Article Summaries (6)  
 Six of the 8 modules/weeks include a peer-reviewed paper that the student must read and summarize.
- E. Assignments (8)  
 Each module/week’s assignment is designed to reinforce and measure understanding of the materials covered in the assigned readings.
- 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—must include screen shots and a Visual Basic solution).

**VI. COURSE GRADING AND POLICIES**

A. Points

Course Requirements Checklist	10
Discussion Board Forums (2 at 50 pts ea)	100
Assignments (8 at 50 pts ea)	400
Article Summaries (6 at 50 pts ea)	300
Final Project	200
<b>Total</b>	<b>1010</b>

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](mailto:LUOODAS@liberty.edu) to make arrangements for academic accommodations. Further information can be found at [www.liberty.edu/disabilitysupport](http://www.liberty.edu/disabilitysupport).

## ***COURSE SCHEDULE***

### **CSIS 375**

Textbook: Hartson and Pyla, *The UX Book* (2012).

<b>MODULE /WEEK</b>	<b>READING &amp; STUDY</b>	<b>ASSIGNMENTS</b>	<b>POINTS</b>
<b>1</b>	Hartson and Pyla: chs. 1–3 1 presentation 1 article	Course Requirements Checklist	10
		Class Introductions	0
		Assignment 1	50
		Article Summary 1	50
<b>2</b>	Hartson and Pyla: chs. 4-6 1 presentation 1 article	Assignment 2	50
		Article Summary 2	50
<b>3</b>	Hartson and Pyla: chs. 7-9 1 presentation 1 article	DB Forum 1	50
		Assignment 3	50
		Article Summary 3	50
<b>4</b>	Hartson and Pyla: chs. 10-12 1 article	Assignment 4	50
		Article Summary 4	50
<b>5</b>	Hartson and Pyla: chs. 13-15 1 presentation 1 article	Assignment 5	50
		Article Summary 5	50
<b>6</b>	Hartson and Pyla: chs. 16-18 1 article	Assignment 6	50
		Article Summary 6	50
<b>7</b>	Hartson and Pyla: chs. 19-21	DB Forum 2	50
		Assignment 7	50
<b>8</b>	Hartson and Pyla: chs. 22-24	Assignment 8	50
		Final Project	200
<b>TOTAL</b>			<b>1010</b>

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.