

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

CSIS 100

INTRODUCTION TO INFORMATION SCIENCES AND SYSTEMS

COURSE DESCRIPTION

This course examines the design, selection, implementation and management of enterprise Business solutions. The focus is on identifying critical business processes and envisioning how technology can be developed to provide solutions which generate competitive advantage. Students learn how applying frameworks and strategies around the Business Process and Organization Strategy provide a competitive advantage. Topics include MIS and IT fundamentals, Information Systems Management and Using Enterprise Business Applications for competitive advantage. The course also includes a component for Technical Writing for Information Systems. (Formerly BMIS 200)

RATIONALE

This course is one of two cornerstone classes for future Information Systems, Information Technology, and Computer Science professionals. This course focuses on the tools and technologies that comprise information systems as well as the strategies for employing technology to achieve competitive advantage in business. The course provides an introduction to topics that are taught in subsequent computing classes, such as systems analysis and design, project management, web development, database design and development, networking, hardware and software, programming, human-computer interaction, and technical writing.

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. Microsoft Word and Outlook
- D. Wireshark ([Download instructions are provided within the course.](#))
- E. [Development Application \(Download instructions are provided within the course.\)](#)

IV. MEASURABLE LEARNING OUTCOMES

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

- A. Integrate the relevance of course material and the use of technology into a biblical worldview.
- B. Differentiate between the disciplines of Information Systems, Information Technology, and Computer Science.
- C. Describe how information technology can be used to obtain competitive advantage for businesses.
- D. Develop elements of applications for information systems.

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 (2)

Discussion boards are collaborative learning experiences. Therefore, the student is required to create a thread in response to the provided prompt for each forum. Each thread must be a minimum of 300 words, contain 2 citations, 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 a minimum of 100 words and include 1 citation. Sources must be documented in current APA format.

- D. Labs (6)

The student will complete 1 lab during each module/week for which a Discussion Board Forum is not assigned. The labs will include a combination of Wireshark, SQL, HTML, Excel, application/web development, and UML diagramming activities that reinforce the materials presented in each module/week.

- E. Review Questions Assignments (8)

The student will complete 1 set of review questions during each week/module. The review questions are designed to reinforce the materials that are covered on the quizzes and final exam.

- F. Quizzes (7)

Each quiz will be open-book/open-notes and will consist of 20 true/false and multiple-choice questions. The student will have 20 minutes to complete each quiz.

G. Final Exam

This cumulative exam will be open-book/open-notes and will consist of 70 true/false and multiple-choice questions. The student will have 70 minutes to complete the exam.

VI. COURSE GRADING AND POLICIES

A. Points

Course Requirements Checklist	10
Discussion Board Forums (2 at 40 pts ea)	80
Labs (6 at 50 pts ea)	300
Review Question Assignments (8 at 25 pts ea)	200
Quizzes (7 at 40 pts ea)	280
Final Exam	140
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

CSIS 100

Textbook: Wallace, *Introduction to Information Systems* (2018).

MODULE/ WEEK	READING & STUDY	ASSIGNMENTS	POINTS
1	Wallace: ch. 1 1 presentation 6 videos	Course Requirements Checklist	10
		DB Forum 1	40
		Review Questions Assignment 1	25
		Quiz 1	40
2	Wallace: chs. 2–3 1 presentation 3 videos	Lab 1 (Wireshark)	50
		Review Questions Assignment 2	25
		Quiz 2	40
3	Wallace: ch. 4 1 presentation 4 videos	Lab 2 (Database)	50
		Review Questions Assignment 3	25
		Quiz 3	40
4	Wallace: ch. 5 1 presentation 3 videos	DB Forum 2	40
		Review Questions Assignment 4	25
		Quiz 4	40
5	Wallace: ch. 6 1 presentation 7 videos	Lab 3 (Web Activity)	50
		Review Questions Assignment 5	25
		Quiz 5	40
6	Wallace: chs. 7–8 1 presentation 1 video 1 article	Lab 4 (What-If Analysis)	50
		Review Questions Assignment 6	25
		Quiz 6	40
7	Wallace: chs. 9–10 1 presentation 1 video	Lab 5 (Application/Web Development)	50
		Review Questions Assignment 7	25
		Quiz 7	40
8	Wallace: chs. 11–12 1 presentation 8 videos 2 articles	Lab 6 (UML Diagrams)	50
		Review Questions Assignment 8	25
		Final Exam	140
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**.