

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 408

WEB AND MOBILE PROGRAMMING

COURSE DESCRIPTION

This course provides an in-depth look at current enterprise level technologies used for standardized business-to-business communication among client-server applications using Internet Services technologies. It covers modern technologies used as well as new and rising technologies. Due to the particularly dynamic nature of internet technologies, course content will change as appropriate. (Formerly CSCI 405)

RATIONALE

The purpose of this course is to give students an understanding of web services, which includes Cloud Services, Web and Mobile Applications Development, Web Service Communications, and Computer-to-Computer interactions. These are essential technologies for Internet developers.

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:

- 1. Describe XML-based documents and its different data dictionaries dictionary definitions.
- 2. Compare and contrast different web technology standards and architectures.
- 3. Apply the most appropriate web technologies given a scenario.

4. Explain the trends and future directions of web technologies.

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 (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. Each thread must be at least 500 words, demonstrate course-related knowledge, and include at least 1 scholarly reference in addition to the Bible. In addition to the thread, the student is required to reply to 2 other classmates' threads. Each reply must be at least 350 words and contain at least 1 scholarly reference in addition to the Bible.

- D. Projects (4)

The student will complete 4 projects during this course. The student will create an Android, Apple iOS, Windows Phone, and Mobile Web application using the appropriate assignment steps.

VI. COURSE GRADING AND POLICIES

- A. Points

Course Requirements Checklist	10
Discussion Board Forums (4 at 100 pts ea)	400
Projects (4 at 150 pts ea)	600
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 408

MODULE/ WEEK	READING & STUDY	ASSIGNMENTS	POINTS
1	Duffy: ch. 1 1 presentation	Course Requirements Checklist Class Introductions DB Forum 1	10 0 100
2	Duffy: ch. 2 1 presentation	Project 1	150
3	Duffy: ch. 3 1 presentation	DB Forum 2	100
4	Duffy: chs. 4–5 1 presentation	Project 2	150
5	Duffy: ch. 6 1 presentation	DB Forum 3	100
6	Duffy: ch. 7 1 presentation	Project 3	150
7	Duffy: ch. 8 1 presentation	DB Forum 4	100
8	Duffy: ch. 9 1 presentation	Project 4	150
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**.