

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

CSCI 620

ISSUES IN SECURITY, PRIVACY, AND ANONYMITY

COURSE DESCRIPTION

This course covers security and privacy issues that arise in the field and how to mitigate them, including privacy of data, privacy preserving data mining, routing security, sensor network security, anonymous routing, and social networking.

RATIONALE

As today's cyberspace expands its dimensions rapidly with new and exciting applications and features, it also brings along a range of new privacy and security risks. Thus, it is important for the students to be able to identify these risks and comprehend the current approaches and developments for mitigating the security risks and addressing privacy and anonymity concerns.

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

IV. MEASURABLE LEARNING OUTCOMES

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

- A. Define quality of services a system wants to provide.
- B. Consider attacks on those systems and services.
- C. Design mechanisms to prevent these attacks.
- D. Integrate biblical principles within the field of secure software engineering.

V. COURSE REQUIREMENTS AND ASSIGNMENTS

A. Textbook readings and 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 Forum

Discussion Board Forums are collaborative learning experiences. There will be 1 Discussion Board Forum in this course. The student is required to create a new thread in response to the provided topic for the forum. The new thread is to be a minimum of 400 words and demonstrates course-related knowledge. In addition to the thread, the student is required to reply to 1 other classmate’s thread. The reply must be at least 200 words.

D. Writing Assignments (7)

There will be 2 types of writing assignments in this course. The first type of writing assignments will be answering to given questions relating to the topics of the course’s modules. The second type will be writing reviews of selected research articles. For each writing assignment, the student’s submission must be written in current APA format and must contain at least 1,000 words.

E. Course Research Project

The Course Research Project consists of 3 parts: introduction, related work review, and discussions. The student will write a research-oriented paper in current APA format that focuses on the selected topic. The final submission of the project must include at least 5 references in addition to the course’s reading materials and the Bible, and must contain at least 2,500 words.

VI. COURSE GRADING AND POLICIES

A. Points

Course Requirements Checklist	10
Discussion Board Forum	60
Writing Assignments (7 at 100 pts ea)	700
Course Research Project	
Part I	60
Part II	80
Part III	100
Total	1010

B. Scale

A = 940–1010 A- = 920–939 B+ = 900–919 B = 860–899 B- = 840–859
 C+ = 820–839 C = 780–819 C- = 760–779 F = 0–759

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

CSCI 620

MODULE/ WEEK	READING & STUDY	ASSIGNMENTS	POINTS
1	2 presentations 1 video 5 websites	Course Requirements Checklist Class Introductions Writing Assignment 1	10 0 100
2	1 presentation 2 websites	Writing Assignment 2	100
3	1 presentation 2 websites	Writing Assignment 3	100
4	1 presentation 2 websites	Writing Assignment 4 Course Research Project: Part I	100 60
5	1 presentation 1 website	Writing Assignment 5	100
6	1 presentation 4 websites	DB Forum 1 Course Research Project: Part II	60 80
7	1 presentation 4 websites	Writing Assignment 6	100
8	1 presentation 3 websites	Writing Assignment 7 Course Research Project: Part III	100 100
TOTAL			1010

DB = Discussion Board

NOTE: Each course module/week begins on Monday morning at 12:00 a.m. (ET) and ends on Sunday night at 11:59 p.m. (ET). The final module/week ends at 11:59 p.m. (ET) on **Friday**.