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
BMIS 342
CYBER SECURITY

COURSE DESCRIPTION
A comprehensive overview of the essential concepts students must know as they pursue careers in information systems security. Topics include a discussion of the new risks, threats, and vulnerabilities associated with the transformation to a digital world, including a look at how business, government, and individuals operate today. Additionally, information is included from the Official (ISC) 2 SSCP Certified Body of Knowledge and presents a high-level overview of each of the seven domains within the System Security Certified Practitioner certification.

RATIONALE
Cyber security initiatives require a proactive and well-planned approach for defense measures. Such activities have to be thorough with respect to protections and exhaustive in regard to tracking and monitoring criminal activity. BMIS 342 looks at utilizing industry leading procedures for protecting, preventing, and tracking cyber-attacks.

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. Discuss the relevance of course material and the use of technology to a biblical worldview.
B. Recognize the appropriate steps for information security risk, response, and recovery.
C. Annotate the basic concepts of cryptography to manage a secure infrastructure.
D. Demonstrate the ability to assess and implement access controls.
E. Explain how to identify and institute counter measures for malicious code.
F. Analyze security issues, related networks, and systems.

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 (8)
   During the weekly Discussion Board Forum assignments on information security planning, the student must post a thread of at least 300 words integrating 2 biblical principles. In addition to the thread, the student must reply to at least 2 other classmates’ threads. Each reply must be at least 100 words.
D. Application Activities (3)
   The student must compile two 5-page reports and one 8-page report for 3 application activities in this course. Each activity must focus on a different aspect of network security in preparation for the Final Project. Each report must include a title page, diagrams, and references in current APA format.
E. Quizzes (3)
   Each quiz will cover the Reading & Study material for the module/week in which it is assigned. Each quiz will be open-book/open-notes, contain 9 multiple-choice and true/false questions, and have a time limit of 15 minutes.
F. Midterm Exam
   The Midterm Exam will cover the Reading & Study material from Modules/Weeks 1–4. It will be open-book/open-notes, contain 49 multiple-choice and true/false questions, and have a time limit of 1 hour.
G. Final Project
   The student must design a comprehensive disaster recovery plan. The student must compile a minimum of 20 pages including proposed technology, research, overview, background, related work, results, documentation, diagrams, and charts. The student must cite at least 15 scholarly sources, not including the textbook.

VI. COURSE GRADING AND POLICIES
A. Points
   
   Course Requirements Checklist 10
   Discussion Board Forums (8 at 35 pts ea) 280
   Application Activities (3 at 65 pts ea) 195
Quizzes (3 at 45 pts ea) 135  
Midterm Exam 195  
Final Project 195  
**Total** 1010  

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 LU 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 342


<table>
<thead>
<tr>
<th>Module/Week</th>
<th>Reading &amp; Study</th>
<th>Assignments</th>
<th>Points</th>
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| 1           | Davidoff & Ham: chs. 1–2 | Course Requirements Checklist  
              | 1 presentation | Class Introductions | 10  
              |                  | DB Forum 1      | 35  
              |                  | Quiz 1          | 45  |
| 2           | Davidoff & Ham: ch. 3 | DB Forum 2   | 35  
              | 1 presentation | Application Activity 1 | 65  |
| 3           | Davidoff & Ham: chs. 4–5 | DB Forum 3   | 35  
              | 1 presentation | Quiz 2          | 45  |
| 4           | Davidoff & Ham: ch. 6 | DB Forum 4   | 35  
              | 1 presentation | Midterm Exam    | 195 |
| 5           | Davidoff & Ham: chs. 7–8 | DB Forum 5   | 35  
              | 1 presentation | Application Activity 2 | 65  |
| 6           | Davidoff & Ham: ch. 9 | DB Forum 6   | 35  
              | 1 presentation | Application Activity 3 | 65  |
| 7           | Davidoff & Ham: chs. 10–11 | DB Forum 7   | 35  
              | 1 presentation | Quiz 3          | 45  |
| 8           | Davidoff & Ham: ch. 12 | DB Forum 8   | 35  
              | 1 presentation | Final Project    | 195 |

**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.