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 <u>not</u> be used to purchase course materials.

COURSE SYLLABUS

BMIS 665
INFORMATION OPERATIONS AND SECURITY

COURSE DESCRIPTION

Operations Security is used to identify the controls over hardware, media and the operators with access privileges to any of these resources. This course will look at the mechanisms, tools and facilities that permit the identification of security events and subsequent actions that follow identification. The course will address the threats, vulnerabilities and countermeasures that can be utilized to physically protect an enterprise's resources and sensitive information. A study of Business Continuity and Disaster Recovery Planning addresses the preservation of the business in face of major disruption to normal business operations will also be included. The preparation, testing and updating of specific actions to protect critical business processes from the effects of major system and network failures will be explored.

RATIONALE

This course completes the Information Assurance cognate in a new program: Masters of Information Systems.

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.   Discuss the relevance of course material and the use of technology to a biblical worldview.

B.   Demonstrate the mechanisms and devices necessary to build a secure organization.

C.   Assess security threats, vulnerabilities, and countermeasures.

D.   Implement appropriate security measures to prevent system and network intrusion.

E.   Use various relevant system and network security controls.

F.   Develop a business continuity and disaster recovery plan.

V.   **COURSE REQUIREMENTS AND ASSIGNMENTS**

A.   Textbook readings and lecture presentations/notes

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 (7)

The student will complete varying types of Discussion Board Forums throughout the course. Each thread must be at least 500 words and demonstrate course knowledge. The student must also respond to 3 other classmates' threads with at least 250 words in each reply. Forums will also require peer-reviewed sources/references as indicated.

D.   Project

The student is required to create a security solution in 3 phases. The objective of the final, comprehensive project is to apply the learning objectives of the Information Assurance program to the project. The students will show competence through the execution of a final information security solution and business continuity plan.

E.   Exams (2)

There is a midterm and final exam for this course. Each exam will cover the Reading & Study material for the modules/weeks in which they are assigned. Each exam will be open-book/open-notes, contain 50 multiple-choice questions, and have a 1-hour time limit.

VI. **COURSE GRADING AND POLICIES**

A. Points

Course Requirements Checklist			10
Discussion Board Forums (7 at 25 pts ea)			175
Project			
		Phase 1	175
		Phase 2	175
		Phase 3	175
	Midterm Exam	(Modules 1–4)	150
	Final Exam	(Modules 5–8)	150
		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 Accommodation Support (ODAS) at LUOODAS@liberty.edu to make arrangements for academic accommodations. Further information can be found at www.liberty.edu/disabilitysupport.

If you have a complaint related to disability discrimination or an accommodation that was not provided, you may contact ODAS or the Office of Equity and Compliance by phone at (434) 592-4999 or by email at equityandcompliance@liberty.edu. Click to see a full copy of Liberty's Discrimination, Harassment, and Sexual Misconduct Policy or the Student Disability Grievance Policy and Procedures.

COURSE SCHEDULE

BMIS 665

Textbook: Harris & Maymi, *CISSP All-in-One Exam Guide* (2019).

MODULE/ WEEK	READING & STUDY	ASSIGNMENTS	POINTS
1	Harris & Maymi: chs. 1–2 1 presentation	Course Requirements Checklist Class Introductions DB Forum 1	10 0 25
2	Harris & Maymi: ch. 3 1 presentation	DB Forum 2 Project Phase 1	25 175
3	Harris & Maymi: ch. 4 1 presentation	DB Forum 3	25
4	Harris & Maymi: ch. 5 1 presentation	DB Forum 4 Midterm Exam	25 150
5	Harris & Maymi: ch. 6 1 presentation	DB Forum 5 Project Phase 2	25 175
6	Harris & Maymi: ch. 7 1 presentation	DB Forum 6	25
7	Harris & Maymi: ch. 8 1 presentation	Project Phase 3	175
8	Review Harris & Maymi: chs. 1–8 1 presentation	DB Forum 7 Final Exam	25 150
		TOTAL	1010

DB = Discussion Board

NOTE: Modules/Weeks 1 through 7 begin on Monday and end at 11:59 p.m. (ET) on Sunday. Module/Week 8 begins on Monday and ends at 11:59 p.m. (ET) on Friday.