



**MCKENDREE**  
**UNIVERSITY**

*The mission of McKendree University is to provide a high-quality educational experience to outstanding students.*

*~Responsible Citizenship ~Engagement ~Academic Excellence ~Lifelong Learning~*

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## **CBD 336 – Cyber Risk Management & Mitigation**

### **Course Information**

This course explores Cyber Defense from a risk-management perspective. Students focus on strategies for assessing risk, as well as for implementing effective and proactive risk-management practices and risk-mitigation measures. Topics in this risk assessment, risk analysis, risk mitigation, risk management, networking components and Virtual Private Networks (VPN). Students will also learn about the resources and methods used for information assurance. The student will apply this knowledge to develop an assessment methodology and strategies for managing and mitigating risks in the cyber environment.

Prerequisite: CSI 130 and CBD 330.

### **Course Learning Objectives**

This course explores the rapid digital transformation that continually changes the cyber threat landscape, causing organizations to take a risk-based approach to cybersecurity. The purpose of this course is to provide the student with a foundation for understanding factors that contribute to or incite cybersecurity risk and methods used to assess risk. Coverage will include motivations of threat actors, contrast of high-profile data breaches, types of vulnerabilities, people, process and technological controls, risk assessment, risk treatments and risk methodologies.

Specific topic coverage includes:

- Digital Transformation
- Data Breaches
- Threat Actors and Threat Events
- Vulnerabilities
- Cybersecurity Controls
- Cyber Risk
- Risk Assessment

### **General Class Policies**

McKendree values an environment that fosters mutual respect, responsible citizenship, and supportive educational opportunities. As a student in this course you are expected to support and uphold these ideas. There will be no tolerance for obscene language, name calling, or other disrespectful activity.

## Participation

Students must participate in the class activities. Participation involves responding to the discussion questions, reading discussion question responses of other students, asking questions, and turning in all assignments.

## Academic Integrity

Any student detected of academic dishonesty will receive the appropriate sanctions, which can include a failing grade ("F") for the course. In cases of serious violations, additional sanctions (such as academic probation or suspension) are possible.

## Accommodations and ADA Policy

In accordance with the Americans with Disabilities Act (ADA), McKendree University provides services, auxiliary aids, and accommodations to meet the unique learning needs of students with disabilities.

Students with officially documented disabilities, medical needs, legal problems, or who are the victims of crimes may qualify for educational accommodations. A student requiring assistance should contact the McKendree Student Success and Advising Center (SSAC). The SSAC provides coordination and implementation of special accommodations for students with documented disabilities.

For further information regarding university or course policies, please consult with your instructor and/or refer to the catalog.

## Assignment Grade Value

Assignment	Points per assignment	Total possible points	Weighed value
Introduction	10	10	5
Discussion Boards	20	140	25%
Written Assignment #1	50	50	10%
Written Assignment #2	100	100	20%
Final Exam	200	200	40%
			100 %

## Grading Scale

93-100%	A	77-80%	C+
90-93%	A-	74-77%	C

87-89%	B+	70-73%	C-
84-87%	B	60-69%	D
80-83%	B-	0-59%	F

### Point Scale

Total points	Letter Grade
465-500	A
450-464	A-
435-449	B+
420-434	B
400-419	B-
385-399	C+
370-384	C
350-369	C-
300-349	D
0-295	F

### Course Schedule

THIS SYLLABUS IS SUBJECT TO CHANGE AT THE DISCRETION OF THE INSTRUCTOR

Module (Week)	Activities/Assignments	Due Date
1	<p><b>Read</b> Chapter 1: Why Now? The only Constant is Change Chapter 4: What are Cybersecurity and Cybercrime?</p> <p><b>Participation</b> Student Introduction Discussion Board Module 1 Discussion Board</p>	
2	<p><b>Read</b> Chapter 4: Data Breaches</p> <p><b>Participation</b> Module 2 Discussion Board</p> <p><b>Writing Assignment #1</b> Not All Breaches Are the Same</p>	

3	<p><b>Read</b> Chapter 6: Threat Actors Chapter 7: Threat Events</p> <p><b>Participation</b> Module 3 Discussion Board</p>	
4	<p><b>Read</b> Chapter 8: Vulnerabilities</p> <p><b>Participation</b> Module 4 Discussion Board</p>	
5	<p><b>Read</b> Chapter 9: Controls</p> <p><b>Participation</b> Module 5 Discussion Board</p>	
6	<p><b>Read:</b> Chapter 10: Cyber Risk Management</p> <p><b>Participation</b> Module 6 Discussion Board</p>	
7	<p><b>Case Study</b></p> <p><b>Participation</b> Module 7 Discussion Board</p> <p><b>Written Assignment #2</b></p>	
8	<p><b>Course Review and Wrap Up</b></p> <p><b>Final Exam</b></p>	

If necessary, adjustments to the Grading Information and/or Course Schedule may occur.