## **CYBR 480: Security Standards and Audits (3 credits)**

This course focuses on the study of security standards, regulations, and compliance audits in the context of information security. The course covers topics such as security frameworks, standards, regulations, and best practices, as well as audit methodologies, tools, and techniques. The course is designed to provide students with an understanding of the importance of security standards and audits in maintaining the confidentiality, integrity, and availability of information. *(Prerequisite: CYBR 362)*

**Course Learning Outcomes:**

By the end of the course, students will be able to:

A1. Demonstrate a critical understanding of security standards, regulations, audits and their impact on information security practices.

A2. Demonstrate creativity in applying cybersecurity standards, tools and methodologies to real-world cybersecurity challenges.

B1. Critically analyze the significance of cybersecurity standards in maintaining the confidentiality, integrity, and availability of information.

B2. Identify appropriate cybersecurity measures by employing problem-solving skills to identify vulnerabilities and recommend enhancements in adherence to cybersecurity standards.

B3. Effectively communicate cybersecurity strategies based on standards, ensuring clarity and understanding among stakeholders.

C1. Collaborate effectively within a team to implement cybersecurity strategies, leveraging diverse skills and perspectives to address complex challenges aligned with cybersecurity standards.

**Course Learning Materials:**

* D. Linthicum, "Enterprise Application Integration," Addison-Wesley, 2000.
* B. Schneier, "Secrets and Lies: Digital Security in a Networked World," Wiley, 2000.
* K. J. Krutz and R. Vines, "The CISSP Prep Guide: Mastering the Ten Domains of Computer Security," Wiley, 2001.

**Course Content:**

1. Introduction to Cybersecurity Law
2. Overview of US Cybersecurity Law
3. Procedural Law
4. Common Law of Privacy
5. Data Breach Litigation
6. Cryptography and Digital Forensics Law
7. Acts, Standards & Regulations
8. International Organization for Standardization (ISO)
9. National Institute of Standards & Technology (NIST)
10. Center for Internet Security® (CIS) Controls
11. Industry-Specific Cyber Security Standards
12. Creating a Cybersecurity Law Program
13. Future Developments in Cybersecurity Law