

CYPD 634. Audit and Risk Assessment Methods. 3 credits

Credits: 3
Classroom: Online
Class Hours: Weekly online engagement, 20 hours; biweekly virtual seminars alternate Saturdays 10AM – 12:00 PM, ET

Office Hours: Virtual, by appointment
Instructor: TBD
Phone: TBD
Email: TBD

Prerequisite: N/A

Text:

Materials:

Course Description and Objectives:

Students review and analyze selected CISA, CISM, and CRISC audit and assessment function domains. Utilizing their domain knowledge, students complete case study audit and assessment tasks.

Assessment Objectives:

- Governance and Management of IT
- Audit Data Collection
- Gap Analysis
- Remediation Plan
- Continuous Monitoring
- Risk Assessment Planning

Course Outline:

The following is a tentative list of topics to be covered in the class. Weekly projects will be used to learn, analyze and apply the and produce the NIST Risk Management Framework methods.

1. Auditing Information Systems
2. Governance and Management of IT: Ensuring Information Security Strategy Aligns with Organization's Goals and Objectives
3. Information Systems **Acquisitions**, Development, and Implementation
4. Information Systems Operation, Maintenance, and Service Management
5. Protection of Information Assets
6. Information Security Program Development and Management
7. Information Security Incident Management
8. Information Risk Management

Grading

Grading will be based on course engagement, assignments, and projects.

The final grade will be determined by weighing each component as follows:

- Asynchronous engagement: 40%
- Virtual seminar engagement: 12%
- Assignments: 24%
- Projects: 24%

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