

CYPD 633. Cybersecurity Compliance Methodologies Lab II. 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:	CYSE 632 or equivalent; or permission of the instructor
Text:	Mastering the Risk Management Framework Revision 2 by James Broad
Materials:	NIST SP 800-53, NIST SP 800-171 and FedRamp documentation

Course Description and Objectives:

In a virtual lab system, students execute NIST RMF Steps 4-6: Implementation, Authorization and Monitoring, and complete the associated analysis and documentation, as required by the NIST/FedRAMP/CMMC frameworks.

Assessment Objectives:

Demonstrate the ability to produce the following NIST RMF deliverables:

- Security Assessment Plan
- Security Assessment Report
- ATO Package
- POA&M
- ISCM Strategy
- System Decommissioning

Course Outline:

The following is a tentative list of course projects which will enable students to demonstrate the ability to apply the NIST RMF Steps 1-3, in order to:

1. Develop a Security Assessment Plan
2. Produce a Security Assessment Report
3. Complete the ATO Package
4. Develop the POA&M
5. Develop the ISCM Strategy
6. Produce the System Decommissioning Strategy

Grading

The 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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