

## Course Outcomes Guide

**Course Title:** CYB 223 - Cybersecurity Select Topics

**Course Instructor(s):** Lisa M. Herrera

**Expected Learning Outcomes:**

- The skill to create a professional resume.
- Understand and explain concepts relating to protection of information systems against unauthorized access to or modification of information in its various forms.
- Understand denial of service to authorized users, what causes it, DOS/DDOS tools, and how to detect DOS/DDOS.
- Develop an understanding of technical terms and knowledge about techniques and methodologies for data protection and information assurance in a wide range of topics from Johns Hopkins lectures.
- Develop an understanding of rules and policies of information security, by reviewing ISO and NIST policies.
- Accurately collect, analyze and report data. Present complex data or situations clearly for research and presentation assignments.
- Develop improved communication and teamwork skills through group projects and presentations.
- Write a college level investigative paper based on applied research and to orally present findings in a professional manner

**Assessment:** (How do students demonstrate achievement of these outcomes?)

- Satisfactory scores on exams and quizzes.
- Satisfactory completion of a research project.
- Successful presentation of a research topic.
- Participation in class discussions or Discussion Forums

**Validation:** (What methods are used to validate your assessment?)

1. Approval of Information Systems Technology Advisory Council
2. Quizzes developed Johns Hopkins Lectures

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### 3. Faculty Review

**Results:** (What do the data show?)

I am unaware of the results from last year, therefore, I will have to use the results from this year to compare when this course is offered again.

**Follow-up**

(How have you used the data to improve student learning?)

N/A

**Budget Justification**

(What resources are necessary to improve student learning?)

Currently no budget request items are needed.