

HLSS310

Course Summary

Course : HLSS310 **Title :** Critical Infrastructure Protection
Length of Course : 8 **Faculty :**
Prerequisites : N/A **Credit Hours :** 3

Description

Course Description:

This course provides an overview of critical infrastructures and their relationships to one another. Critical infrastructure sectors will be analyzed to determine prioritization, potential areas of vulnerability to threats, and potential counter-measures that can be utilized. Students will explore issues pertaining to planning, securing, and responding to these infrastructures under serious threat to ensure continuity of operations. Factors that should be considered in the response to minimize disruption and improve first responder safety will also be discussed.

Course Scope:

As a 300-level course, this course provides a higher level of knowledge building on the material taught at the 200 level. The purpose and scope of this course is to enable the student to build a deeper understanding of the discipline.

Objectives

After successfully completing this course, you will be able to:

CO1: Identify critical infrastructure assets within all CIP (Critical Infrastructure Protection) sectors. CO2:

Examine interdependencies between the critical infrastructure sectors.

CO3: Evaluate prioritization of critical infrastructure sector assets.

CO4: Analyze existing critical infrastructure protection measures to ensure continuity of operations.

CO5: Evaluate special considerations to life and property that result as a consequence to an attack on critical infrastructure.

Outline

Week 1: Intro to Critical Infrastructure Systems Protection

Learning Outcomes

CO1 and CO2

Required Readings

See the Week 1 Learning Material tab.

Assignments

Introduction Discussion

Week 1 Discussion

Week 2: Energy, Dams, Nuclear Reactors, Materials, and Waste Sectors

Learning Outcomes

CO2, CO3, CO4, and CO5

Required Readings

See the Week 2 Learning Material tab.

Assignments

Week 2 Discussion

Week 3: The Communications and Information Technology Sectors

Learning Outcomes

CO2, CO3, CO4, and CO5

Required Readings

See the Week 3 Learning Material tab.

Assignments

Week 3 Discussion

Week 4: Water and Wastewater Systems, Chemical, and Critical Manufacturing Sectors

Learning Outcomes

CO2, CO3, CO4, and CO5

Required Readings

See the Week 4 Learning Material tab.

Assignments

Week 4 Discussion

Midterm Assignment

Week 5: Transportation Systems and Emergency Services Sectors

Learning Outcomes

CO2, CO3, CO4, and CO5

Required Readings

See the Week 5 Learning Material tab.

Assignments

Week 5 Discussion

Week 6: Commercial Facilities and Government Facilities Sectors

Learning Outcomes

CO2, CO3, CO4, and CO5

Required Readings

See the Week 6 Learning Material tab.

Assignments

Week 6 Discussion

Research Paper Assignment

Week 7: Financial Services and the Defense Industrial Base Sectors

Learning Outcomes

CO2, CO3, CO4, and CO5

Required Readings

See the Week 7 Learning Material tab.

Assignments

Week 7 Discussion

Week 8: Food and Agriculture, Healthcare and Public Health Sectors

Learning Outcomes

CO2, CO3, CO4, and CO5 Required

Readings

See the Week 8 Learning Material tab.

Assignments

Week 8 Discussion

Evaluation

Discussions – 25 percent

Midterm Assignment - 20 percent

Research Paper Assignment - 30 percent

Final Assignment – 25 percent

Grading:

Name	Grade %
Discussion	25.00 %
Discussion 1	3.13 %
Discussion 2	3.13 %
Discussion 3	3.13 %
Discussion 4	3.13 %
Discussion 5	3.13 %
Discussion 6	3.13 %
Discussion 7	3.13 %
Discussion 8	3.13 %
Final Assignment	25.00 %
Final Assignment	25.00 %
Midterm Assignment	20.00 %
Midterm Assignment	20.00 %
Research Paper Assignment	30.00 %
Research Paper Assignment	30.00 %

Materials

Book Title: Critical Infrastructure Protection in Homeland Security: Defending a Networked Nation, 2nd ed. - e-book available in the APUS Online Library; link also provided in the classroom Lessons section.

Author: Lewis, Ted

Publication Info: Wiley Lib

ISBN: 9781118817636

Book Title: Various resources from the APUS Library & the Open Web are used. Please visit [eReserve](#) to locate the course .*

Author:

Publication Info:

ISBN: ERESERVE NOTE

All required readings are located in the Content area of the classroom.

Course Guidelines

This course requires a time management plan and the self-discipline to follow it. You are responsible for managing your time, completing assignments on time, completing the readings, and making inquiries as needed to complete the course effectively. This is an 8-week course, which means the material must be learned in a short period of time. This requires dedication and diligence on the part of each student. All assignments must be submitted by the end of the week they are assigned unless otherwise noted.

Citation and Reference Style

Students will follow the [APA Style](#) as the sole citation and reference style used in written work submitted as part of coursework for this course.

Late Assignments

Students are expected to submit classroom assignments by the posted due date and to complete the course according to the published class schedule. As adults, students, and working professionals, I understand you must manage competing demands on your time. Should you need additional time to complete an assignment, please contact me before the due date so we can discuss the situation and determine an acceptable resolution. Routine submission of late assignments is unacceptable and may result in points deducted from your final course grade.

Deductions:

Late discussion posts can be penalized up to 5 points per day

Late assignments can be penalized up to 5 points per day

After 14 days, no credit will be awarded

Academic Dishonesty

Academic Dishonesty incorporates more than plagiarism, which is using the work of others without citation. Academic dishonesty includes any use of content purchased or retrieved from web services such as CourseHero.com. Additionally, allowing your work to be placed on such web services is academic dishonesty, as it is enabling the dishonesty of others. The copy and pasting of content from any web page, without citation as a direct quote, is academic dishonesty. When in doubt, do not copy/paste, and always cite.

Disclaimer Statement

Course content may vary from the outline to meet the needs of this particular group.

Tutoring

[Tutor.com](#) offers online homework help and learning resources by connecting students to certified tutors for one-on-one help. AMU and APU students are eligible for 10 free hours* of tutoring provided by APUS. Tutors are available 24/7 unless otherwise noted. Tutor.com also has a SkillCenter Resource Library offering educational resources, worksheets, videos, websites and career help. Accessing these resources does not count against tutoring hours and is also available 24/7. Please visit the APUS Library and search for 'Tutor' to create an account.

University Policies

[Student Handbook](#)

- [Drop/Withdrawal policy](#)
- [Extension Requests](#)
- [Academic Probation](#)
- [Appeals](#)
- [Disability Accommodations](#)

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