

Critical Infrastructure Protection (HMSY 1341) Online

Credit: 3 semester credit hours (3 hours lecture, 0 hours lab)

Prerequisite/Co-requisite: Complete the Online Orientation and answer yes to 7+ questions on the Online Learner Self-Assessment:

<http://www.lit.edu/depts/DistanceEd/OnlineOrientation/OOStep2.aspx>



Course Description

Identification and analysis of critical infrastructure systems including security and threat assessments. Includes mitigation of threats as well as evaluation and revision of security measures in order to protect critical infrastructures. *This course is time-bound, structured, and completed totally online.*

Required Text and Materials

Text Material is provided online:

1. Critical Infrastructure Resource Guide 2010
2. IS-821 Critical Infrastructure and Key Resources Support Annex
3. IS-860.a National Infrastructure Protection Plan (NIPP)
4. IS-890.a, Introduction to the Interagency Security Committee (ISC)
5. IS-906 Workplace Security Awareness
6. IS 907 Active Shooter: What You Can Do
7. IS-912 Retail Security Awareness: Understanding the Hidden Hazards
8. IS-921 Implementing Critical Infrastructure Protection Programs

Course Objectives

Upon completion of this course, the student will be able to:

1. Identify local area critical infrastructures
2. Evaluate security measures
3. Report methods to revise security of protection assets
4. Demonstrate mitigation of a critical infrastructure threat
5. Conduct information collection using the Internet and library resources.
6. Present written and oral reports on findings.

Course Outline

1. Syllabus
 - a. Introduction of Faculty and students
 - b. Instructor Resume
 - c. Comments
2. IS-860.a National Infrastructure Protection Plan (NIPP)
 - a. Protecting and ensuring the resiliency of the critical infrastructure and key resources of the United States is essential to the Nation's security, public health and safety, economic vitality, and way of life.
3. IS-821 Critical Infrastructure and Key Resources Support Annex
 - a. The purpose of this course is to present an overview of the National Infrastructure Protection Plan (NIPP).
 - b. The NIPP provides the unifying structure for the integration of existing and future CIKR protection and resiliency efforts into a single national program.
 - a. The National Response

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Course Syllabus

- Framework (NRF) presents the guiding principles that enable all response partners to prepare for and provide a unified national response to disasters and emergencies.
- b. The NRF, Support Annexes describe how Federal departments and agencies, the private sector, volunteer organizations, and nongovernmental organizations (NGOs) coordinate and execute the common support processes and administrative tasks required during an incident.
 - c. The actions described in the Support Annexes are not limited to particular types of events, but are overarching in nature and applicable to nearly every type of incident.
 - d. This course provides an introduction to the Critical Infrastructure and Key Resources (CIKR) Support Annex to the NRF.
4. The Office of Infrastructure Protection
 - a. State what the specific risks are in their locations and to their industries;
 - b. Discuss how to coordinate with others within and across sectors and share vital information
 - c. Explain how to prepare, protect, and respond
 - d. List the six programmatic areas of IP.
 5. IS-906: Workplace Security Awareness
 - a. This course provides guidance to individuals and organizations on how to improve the security in your workplace.
 - b. We live in a world of ever-
 8. Critical Infrastructure Resource Guide
 - a. The Critical Infrastructure Working Groups
 - i. Agriculture and Food
 - ii. Banking and Finance
 - iii. Chemical Sector
 - iv. Commercial Facilities
 - v. Communications
 - vi. Critical Manufacturing
 - vii. Dams
 - viii. Defense Industry Base
 - ix. Emergency Services
- increasing risk.
- c. No workplace – be it a construction site, office building, factory floor, or retail store – is immune from these threats.
 - d. Risks threaten worker safety, employee morale, and your company's economic livelihood.
6. IS 907: Active Shooter: What You Can Do
 - a. An active shooter is an individual actively engaged in killing or attempting to kill people in a confined and other populated area.
 - b. In most cases, active shooters use firearms and there is no pattern or method to their selection of victims.
 - c. Active shooter situations are unpredictable and evolve quickly.
 - d. All employees can help prevent and prepare for potential active shooter situations.
 7. IS-890.a, Introduction to the Interagency Security Committee (ISC)
 - a. Introduction to the Interagency Security Committee (ISC) is the first course in the ISC Web-based training series.
 - b. The purpose of this series of courses is to provide Federal facility security professionals, engineers, building owners, construction contractors, architects, and the general public with basic information pertaining to the ISC and its facility security standards, processes, and practices.

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Course Syllabus

- x. Energy
- xi. Government Facilities
- xii. Healthcare and Public Health
- xiii. Information Technology
- xiv. National Monuments and

- Icons
- xv. Nuclear Reactors, Materials, and Waste
- xvi. Postal and Shipping
- xvii. Transportation Systems
- xviii. Water

Grade Scale

90 – 100	A
80 – 89	B
70 – 79	C
60 – 69	D
0 – 59	F

Course Evaluation

Final grades will be calculated according to the following criteria:

- | | |
|-----------------------|-----|
| 1. Tests | 5% |
| 2. Assignments | 40% |
| 3. Module Discussions | 15% |
| 4. Final Project | 40% |

Course Policies

1. You must log onto Blackboard and access this course a minimum of three times per week.
2. Cheating of any kind will not be tolerated.
3. If you wish to drop a course, the student is responsible for initiating and dropping the course.
If you stop logging-in to the course and do not complete the course drop process, then you will receive an “F” grade for the course
4. Internet Usage – Students are expected to use proper net etiquette while participating in course emails, assignment submissions, and online discussions.

Technical Requirements (for courses using Blackboard)

The latest technical requirements, including hardware, compatible browsers, operating systems, software, Java, etc. can be found online at:

https://help.blackboard.com/en-us/Learn/9.1_2014_04/Student/015_Browser_Support/015_Browser_Support_Policy A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of the online technology and resources.

Disabilities Statement

The Americans with Disabilities Act of 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409) 880-1737 or visit the online resource:

<http://www.lit.edu/depts/stuserv/special/defaults.aspx>

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Course Syllabus

Student Code of Conduct Statement

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu or obtained in print upon request at the Student Services Office.

Starfish

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

