



Online Course Syllabus

Course Name and Number: CJA774 – Critical Infrastructure Protection in Homeland Security, Summer Term 2012

WARNING: DO NOT DISCLOSE ANY GOVERNMENT CLASSIFIED MATERIALS IN THIS COURSE. NO EXCEPTION! ONLY MATERIALS AVAILABLE TO THE PUBLIC WILL BE USED THROUGHOUT THE COURSE.

Course dates: 7/2/2012 – 9/9/2012

Instructor Name: Jeffrey Ahn, MS

Instructor Contact Information

Office Phone: 808-230-4691 (cell) (Please leave a message if I do not answer your call right away. I will call you back). I am available from 4 p.m.-9 p.m. Hawaii Standard Time (HST) on most days, but I attempt to reserve Sunday for my family. On Saturdays, I tend to be online in the morning only. If these times are not convenient for you, please let me know. I will be happy to accommodate your schedule, if possible. I provide you with these times to make it easier to communicate with me, and not to limit our contact. I want you to know that, should you need to contact me outside these time frames, you should not hesitate to do so. If or when you call my phone, please leave a message; however, I check our classroom almost every day.

For emergencies, when you are not able to gain access to messages on the eCollege, please send a message to my CUH e-mail address. In the event a third party needs to contact me, please direct them to my contact information listed under "facilitator information." No third party should use your login credentials to gain access to the classroom.

E-mail Address: jeffrey.ahn@adjunct.chaminade.edu (primary) / theahn2003@gmail.com (secondary, use only when you have problems with CUH e-mail with prior telephonic approval from the instructor). (Please check my e-mail address spelling. Some students claimed they sent their assignments to my CUH e-mail address, but I found out later they misspelled my e-mail address, especially my first name).

Course Information

Course Description: Protecting and ensuring the continuity of the critical infrastructure and key resources (CIKR) of the United States is essential to the Nation's security, public health and safety, economic vitality, and way of life. CIKR includes physical or virtual assets, systems, and networks so vital to the United States that the incapacity or destruction of such assets, systems, or networks would have a debilitating impact on security, national economic security, public health or safety, or any combination of those matters. The National Infrastructure Protection Plan (NIPP) provides the coordinated approach that is used to establish national priorities, goals, and requirements for CIKR protection so that Federal resources are applied in the most effective and efficient manner to reduce vulnerability, deter threats, and minimize the consequences of attacks and other incidents. It establishes the overarching concepts relevant to all CIKR sectors identified under the authority of Homeland Security Presidential Directive 7, and

addresses the physical, cyber, and human considerations required for effective implementation of protective programs and resiliency strategies. This course will introduce the students to a risk management framework, which establishes the processes for combining consequence, vulnerability, and threat information to produce a comprehensive, systematic, and rational assessment of national or sector risk. It will expose students to the 11 critical infrastructure sectors: Water, Power & Energy, Information & Telecommunications, Chemical Industry, Transportation, Banking & Finance, Defense Industry, Postal & Shipping, Agriculture & Food, Public Health, and Emergency Services; identify corresponding dependencies and define the strategic planning processes that results in a business plan that mitigates the identified risks. In addition to understanding of the critical infrastructure protection component, students will be introduced to the National Incident Management System (NIMS). This system provides a consistent nationwide template to enable Federal, State, tribal, and local governments, the private sector, and nongovernmental organizations to work together effectively and efficiently to prepare for, prevent, respond to, and recover from domestic incidents, regardless of cause, size, or complexity, including acts of catastrophic terrorism. NIMS benefits include a unified approach to incident management; standard command and management structures; and emphasis on preparedness, mutual aid, and resource management. You will be measured on the following areas:

Graded Areas	Possible Maximum Points
Weekly End of Chapter Exercises (see weekly schedule for detail)	244 (50%)
Presentation (based on a real scenario)	100 (20%)
FEMA Independent Study Program Courses: (see listing below)	40 (30%)
Aggregation	384 (100%)

Course Objectives: At the completion of the course, students will be able to apply the vulnerability technique to any critical infrastructure within their multi-jurisdictional region, and derive best strategies and draft policies for prevention of future terrorist attacks.

Student Learning Outcomes: Upon completion of this course, students will demonstrate an understanding of:

- The regulatory and technical architecture of the principle critical infrastructure sectors in the U.S.
- How each critical infrastructure sector works.
- Vulnerabilities in each critical infrastructure sector.
- How to perform a vulnerability analysis on a CI sector and develop a business plan to mitigate the risk.
- How to formulate best strategies on how to maximize protection of each sector given budgetary constraints in the student's region or area of responsibility.

Prerequisites and Co-requisites: None.

Course Topics & Schedule: The course will encompass a broad study of several issues and challenges that face critical infrastructure in homeland security discipline. The structure of the course will follow this framework:

Week	Required Readings/Activities
1	Chapter 1 (Exercise 1 through 21) Chapter 2 (Exercise 1 through 10)
2	Chapter 3 (Exercise 1 through 8) Chapter 4 (Exercise 1 through 10)
3	Chapter 5 (Exercise 1 through 10, including all subquestions)
4	Chapter 6 (Exercise 1 through 15, including all subquestions)
5	Chapter 7 (Exercise 1 through 15, including all subquestions) Chapter 8 (Exercise 1 through 12, including all subquestions)
6	Chapter 9 (Exercise 1 through 22) Chapter 10 (Exercise 1 through 22)
7	Chapter 11 (Exercise 1 through 20)
8	Chapter 12 (Exercise 1 through 21)
9	Chapter 13 (Exercise 1 through 20) Chapter 14 (Exercise 1 through 9) FEMA EMI course completion submission
10	Presentation submission
	Post final grade soon

Specific Course Requirements: None.

Textbooks, Supplementary Materials, Hardware and Software Requirements

Required Textbooks:

- Lewis, T. (2006). Critical infrastructure protection in Homeland Security: Defending a networked nation. Hoboken, NJ: John Wiley & Sons, Inc. ISBN: 978-0-471-78628-3

Online Training Resource:

- FEMA Emergency Management Institute, <http://training.fema.gov/IS/crslist.asp>

Highly recommended materials:

1. APA Format - APA format is required for all written assignments. Please refer to the APA Publications Manual, **6th Edition (5th printing)**. ISBN: 1-4338-0561-8
2. Grammar Manual - The Gregg Reference Manual, 10th Edition, is the standard writing manual for this course. ISBN: 0-07-293653-3
3. Dictionary - Merriam-Webster Collegiate, 11th Edition, as identified as the standard spelling reference for APA journals and books. ISBN: 0-87779-809-5. Your assignments should not have any spelling errors. Review and check your works using the aforementioned dictionaries; and do not trust a dictionary in Microsoft Word ® or other applications alone.

Supplementary Materials: NIMS Resource Center, <http://www.fema.gov/emergency/nims/>

Course Web site address: <http://chaminade.ecollege.com>

Hardware Requirements: eCollege is accessible from most PCs and Macintosh computers with a reliable internet connection.

Software Requirements: You are required to submit writing assignments following the American Psychology Association (APA) format using various applications, such as Microsoft Word®; and present your research using presentation software, such as Microsoft PowerPoint®. You are not required to purchase these programs and use other applications; however, I will not grade your work if I cannot open or view them. I am using both Microsoft Office Mac Suite ® and Sun Microsystems OpenOffice.org. When or if you use OpenOffice, please save your assignments using ".doc" file extension for documents and ".ppt" for presentation, respectively. Please ensure you can access to an Adobe reader as well. You will need the Adobe reader to review my feedback and other correspondences.

Assessment and Grading

Grading Procedure: Letter grades are given as your final grade for this course. Grades are calculated from the student's attendance, class participation, weekly article reviews, presentations, case study, and research papers. The grades are interpreted as follows:

- A - Outstanding scholarship and an unusual degree of intellectual initiative.
- B - Superior work done in a consistent and intellectual manner.
- C - Average grade indicating a competent grasp of subject matter.
- D - Inferior work of the lowest passing grade, not satisfactory for fulfillment of prerequisite course work.
- F - Failure to grasp the minimum subject matter; no credit given.
- W - Withdrawal before published deadline (see your counselor or academic calendar for details).
- I* - Did not complete a small portion of the work or final examination due to circumstances beyond the student's control. This grade will not be given except under circumstances of extreme hardship (see CUH Student Handbook for details).

Grading Scale:

Score	Grade
91-100% of possible total points	A
81-90% of possible total points	B
71-80% of possible total points	C
70% and below of possible total points	F

Assignments and Participation Requirements

Weekly End of Chapter Exercise (depending on a number of questions, Week 1 through Week 9): These exercises are not cumulative and will include only materials covered weekly in the specified chapters (see weekly schedule above), which will come from your textbook. Each question (or subquestion) will earn you **one (1) point** if you answer it correctly.

NOTE: Missed exercise submission cannot be made up and course work will not be accepted unless turned in on the prescribed day unless the absence is for a documented emergency, documented medical reasons, documented mandatory service to the University, documented mandatory military obligations, or other acceptable reason as deemed by the instructor. I must approve any make-up examination. Delay in contacting me after a missed exercise submission is reason to deny a make-up.

NOTE: This assignment must be submitted using "Dropbox" in eCollege no later than Sunday (MST). Late submission will not be allowed. **This is an individual assignment, thus you have to do it all by yourself. Do not share any of your coursework with anyone during and after the course.**

One (1) Presentation (100 points): From the scenario from Hawaii Severe Storms, Flooding, And Landslides, <http://www.fema.gov/news/event.fema?id=16392>, choose one specific area in CIP that is your priority and prepare a slide presentation for your senior leadership (stakeholders) to justify your selection.

Requirement for the presentation:

- Cover slide (name, title)(Required)
- Agenda (Optional): Note section of each slide requires narration or scripts, at a minimum of 150 words, as I am reading your slide and present it to the leadership in your absence.
- Body (Required) (depends on your topic, it can be between 10-15 slides, but they can be longer): Note section of each slide requires narration or scripts, at a minimum of 150 words, as I am reading your slide and present it to the leadership in your absence.
- Conclusion or Summary (Required): Note section of each slide requires narration or scripts, at a minimum of 150 words, as I am reading your slide and present it to the leadership in your absence.
- Question (Required)
- References (of course academic resources) (Required) - Reference submission requirement: To avoid unintentional plagiarism, you are required to submit a copy of the article if you quoted directly from them. When submitted, directly quoted materials will be highlighted. Electronic version of the article will be accepted as long as quoted materials are clearly highlighted. You must have five (5) academic references or more.
- Professional appearance of slides and contents are a must (This brief is so important, because you might be terminated or promoted after this brief!)

NOTE: Your research presentation must be submitted using "Dropbox" in eCollege no later than 9 September 2012 (MST). Early submission will not be penalized.

FEMA Independent Study Program Courses: You will complete the following certification courses posted on the FEMA Emergency Management Institute (<http://training.fema.gov/IS/crslist.asp>). Your certificate of completion is required and upload your completion no later than 3 September 2012 (MST) using "Dropbox."

- [IS-100.b - \(ICS 100\) Introduction to Incident Command System](#)
- [IS-700.a National Incident Management System \(NIMS\), An Introduction](#)
- [IS-701.a NIMS Multiagency Coordination System \(MACS\) Course](#)

- [IS-800.b National Response Framework, An Introduction](#)

NOTE: This is an individual assignment, thus you have to do it all by yourself. Do not share any of your coursework with anyone during and after the course.

Feedback: Each week, scores, or comments on assignment and quiz by within **7** days of when they were submitted will be delivered to you via eCollege. Please check your dropbox and grade book as frequent as possible. You must have a version of Adobe Reader to review my comments on your assignments.

Course Ground Rules

ACADEMIC HONESTY: Students are responsible for promoting academic honesty at this university by not participating in or facilitating others' participation in any act of academic dishonesty, and by reporting incidences of academic dishonesty (such as theft of tests, records, and other confidential materials, altering grades, and/or plagiarism) to their instructors. Questions of academic dishonesty are reviewed first by the instructor, followed by the Director, who supervises the faculty teaching the courses.

PLAGIARISM: Chaminade University policies regarding academic honesty are explicit. The standards as clearly stated in the Academic Catalog will be strictly enforced. There is no excuse for using others work and turning it in as your own, and absolutely no value in irreparably damaging your reputation and your class grade.

LATE ASSIGNMENTS: Assignments/Quizzes must be posted and completed by Sundays, due dates (MST) using eCollege. Otherwise loss of all credit will occur. Any late submission will not be accepted unless you provide me with supporting documents for my review and approval.

PUNCTUALITY/CONSISTENCY: A key to succeed in an asynchronous learning environment is to keep up with your required tasks and submit your work in a timely manner. Visit your class in eCollege as frequently as possible to learn how to navigate in eCollege; keep abreast of course announcement; address technical problems immediately, just to list a few as tips.

Guidelines for Communications (observe course netiquette at all times)

E-mail:

- Use the Chaminade e-mail account provided.
- Always include a subject line.
- Remember without facial expressions some comments may be taken the wrong way. Be careful in wording your e-mails. Use of emoticons might be helpful in some cases.
- Use standard fonts.
- Special formatting such as centering, audio messages, tables, html, etc. should be avoided unless necessary to complete an assignment or other communication.

Discussion Posting (not applicable to this course; however, you should review and use them in your activities):

- Review the discussion threads thoroughly before entering the discussion.
- Try to maintain threads by using the "Reply" button rather starting a new topic.

- Do not make insulting or inflammatory statements to other members of the discussion group. Be respectful of other's ideas.
- Be patient and read the comments of others thoroughly before entering your remarks.
- Be cooperative with group leaders in completing assigned tasks.
- Be positive and constructive in group discussions.
- Respond in a thoughtful and timely manner.

Library

Visit your library at (www.chaminade.edu/library), at a minimum for your article review and research resources. ***The following are not acceptable as scholarly academic journals for purposes of article reviews and research paper and you will receive no points for your work if you use them in the assignments:***

Newspapers

News Magazines (Newsweek, Time, People)

Trade Magazines

FBI Law Enforcement Bulletin

Corrections Today

Police Chief

Prisons Today

On the Line

Law and Order

American Jails

Wikipedia.com (your paper will be scored zero if it contains anything from any pedia.com).

Students With Disabilities

It is the student's responsibility to self-identify with the Director of Personal Counseling in order to receive accommodations. Only those students with appropriate documentation will receive services. Contact the Director of Personal Counseling at (808) 739-4603 or e-mail: jyasuhar@chaminade.edu.

Technical Support

For technical questions: contact the Chaminade eCollege helpdesk at: helpdesk@chaminade.ecollege.com, or call toll free at: (866) 647-0654.

eCollege Account Support

Call 808-739-8327 or e-mail jnakason@chaminade.edu.

HINTS FOR TAKING ONLINE COURSE

- Visit your classroom in eCollege as frequently as possible to see if there is anything new or last minute changes.
- Avoid turning in weekly required works last minute.

- Using Outlook® or an appointment reminder from you mobile phone or PC/Mac, if you have, to track your activities.
- Visit your gradebook in eCollege so that you know where you are and what you need to do to improve or maintain your grade.
- Check your work before you submit them. You will save many points from avoidable mistakes, particularly APA format
- Ask me questions before, not after.