American Public University System

The Ultimate Advantage is an Educated Mind

School of Security and Global Studies **SCMT150** **Transportation & Border Security** **Credit Hours: 3** **Length of Course: 12 Weeks** **Prerequisite: None**

Table of Contents

Instructor Information	Evaluation Procedures
Course Description	Grading Scale
Course Scope	Course Outline
Course Objectives	Policies
Course Delivery Method	Academic Services
Course Resources	Selected Bibliography

Instructor Information

Instructor: link to bio
Office Hours: [1 hour/wk if teaching one course, 2 hours/wk if teaching 2+ courses]

Please contact your instructor through the Messages tab in the classroom.

After the class is over, instructor contact information:
@mycampus.apus.edu.

Table of Contents

Course Description (Catalog)

This course is designed to provide the student with an understanding and knowledge of modern transportation and border security challenges as well as techniques to combat those challenges. The course will address changes in infrastructure technology as well as the technology that TSA has to respond to events. We will explore prevention, detection, response, and mitigation. Transportation and border systems of particular interest in this course include, but are not limited to: seaports, ships, airports, aircraft, train stations, trains, railways, highways, bridges, trucks, buses, and pipelines. Students will emerge with a greater understanding of potential threats to our borders and transportation systems, as well as preparation and responses to these threats.

Table of Contents

Course Scope

Transportation and border issues are essential components of the nation's overall security. Every day, challenges to the US, whether physical, by cyber attacks, immigration or logistic supply routes occur and professionals must be prepared to meet them in an intelligently aggressive manner. Since 9/11, the Department of Homeland Security (DHS) and one of its lead agencies, the Transportation Security Administration (TSA) have been coordinating and collaborating with other organizations to ensure that all potential threats are identified and appropriate plans developed to counter their effects. This course is designed to introduce a framework as it is connected to global transportation and the measures needed to protect it. In addition, some lessons will cover the different modes of transportation and their affects on air, land and sea routes. Readings will inform the student of what efforts can be utilized to counter the effect of potential threats to transportation and border security.

Table of Contents

Course Objectives

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

CO-1: Outline the essential characteristics of national and international acts of terrorism.
CO-2: Construct a historical timeline reflecting significant transportation related terrorist threats and events in the United States and globally.
CO-3: Differentiate between natural and unnatural threats to transportation

systems and how to detect the difference.

CO-4: Describe the characteristics of vulnerabilities in transportation systems.

CO-5: Describe the impact of technology on countering threats to transportation systems.

CO-6: Discuss differences in dealing with security threats for passenger versus freight transportation systems.

CO-7: Classify the roles, functions of, and interdependency between local, federal, and international law enforcement and military agencies to foster border security.

CO-8: Employ effective strategies to generate useful information for local, national and international law enforcement agencies.

Table of Contents

Course Delivery Method

This course is delivered via distance learning and will enable students to complete academic work in a flexible manner, completely online. Course materials and access to an online learning management system will be made available to each student. To facilitate class interaction, forum discussion assignments are due by Thursday evenings of the week as noted. All other course work is due by Sunday evenings of the week as noted and includes forum classmate responses, papers, and projects. which will be reviewed by the Faculty Member. Assigned faculty will support the students throughout this 12-week course.

Table of Contents

Course Resources

Required Course Textbooks

Bragdon, C. *Transportation Security*. Burlington, MA: Butterworth-Heinemann, an Imprint of Elsevier, 2008. The VitalSource e-book is provided via the APUS Bookstore. Please visit http://apus.libguides.com/bookstore for more information

Print ISBN: 978-0-7506-8549-8

Available free at APUS Library:

http://ezproxy.apus.edu/login?url=http://site.ebrary.com/lib/apus/detail.action?docID=10244855

Required Readings

The specific readings for this course are noted in each week and in the course outline of this syllabus below.

Additional Resources

The additional resources are noted in each week in the course outline of this syllabus below.

Web Sites

In addition to the required course texts, the following public domain web sites are useful. Please abide by the university's academic honesty policy when using Internet sources as well. Note web site addresses are subject to change.

Site Name	Web Site URL/Address
Naval Postgraduate School	http://www.nps.edu
US Coast Guard Homeport	http://homeport.uscg.mil/mycg/portal/ep/home.do
US Department of State	http://www.state.gov
US Department of Homeland Security	http://www.dhs.gov
National Border Patrol Strategy	http://www.hsdl.org/?view&did=457100
Engaging Transit Riders in Public Awareness Programs	http://www.nctr.usf.edu/wp-content/uploads/2014/03/JPT17.1pdf
GAO Testimony: Secure Border Initiative	http://www.gao.gov/new.items/d081141t.pdf

Table of Contents

Evaluation Procedures

Forum Assignments:

Self Introduction: The first forum includes a self-introduction, which should include your name, any nicknames if you would rather be addressed that way, where you are located (country, state, or city), your current position, any information you care to share about your family and hobbies, and what you hope to get out of the course.

This introduction needs to be at least 250 words and posted during the first week

of the class. Do not attach your posting to the forum, type it into the comments box. Failure to complete this forum by the end of the first week of class will result in you being dropped from the course.

Forum Questions: You will have forum questions to complete each week. For our forum discussions, we will be analyzing concepts raised in the readings, developed by our classmates, or have come to light in current events. Students must provide a critical review of these issues and reply substantively to the contributions of at least two classmates. Postings should be analytic in nature and include examples that can bolster your argument. Postings and replies should be free of any spelling or grammar errors and properly cited.

Initial Response (posted by Thursday at 11:55 pm Eastern Time)**: 300 words and must include scholarly references other than the textbook, preferably from scholarly journals that can be found on the APUS online library under EBSCO or JSTOR. If you reference a government agency please give their website.**

Subsequent Responses (at least two, posted by Sunday at 11:55 pm Eastern Time): 150 words each.

There is an Introduction – Week 1 (post to forum only – ungraded but mandatory) and 12 additional Forum assignments during the course. The forums reinforce major elements of the course (Transportation and Border Security) issues. These assignments address relevant security questions, constructs, and dilemmas from the text and provided supplementary resources. They are selected to provide the student with hands-on experience in applying the techniques and models discussed.

Forums will be graded using the rubric provided in each forum.

Assignments: The Assignments can be found in the assignment tab in the course website.

Your assignments will be graded using the Rubric criteria as explained in the Rubric contained in the assignment section.

Final Project:

Now that you have completed the course, choose one of the topics that we covered and create a presentation that explains how you will use what you learned on that topic in your current position. Upload an animated/narrated PowerPoint briefing using one of the following software options:

- [BrainShark](#)
- [Prezi](#)
- [Empressr](#)
- [Knovio](#)

This should just be a short, five to seven minute presentation.

The Rubric for this assignment can be found in the assignment itself.

The points earned on course forums/ and assignments/ will determine the final course grade. The final grade in the course is based on total points. Grades are assigned based on the following term composite scores:

Grade Instruments	Points each	Total Points	Percentage of Grade
Forums (12)	100	1400	35%
Assignments (6)	100	700	40%
Final Project	100	200	25%
Total		**2300**	**100%**

[Table of Contents](#)

12 – Week Course Outline

Week	Topic	Learning Objectives (LO)	Readings	Assignment
1	Introduction to the Course	CO 1 Outline the essential characteristics of national and international acts of terrorism. CO 2 Construct a historical timeline reflecting significant transportation related terrorist threats and events in the United States and globally.	Bragdon, Introduction	Due: Week 1 Introduction Forum Assignment Week 1

2	Transportation Security and Its Impact	CO3 Differentiate between natural and unnatural threats to transportation systems and how to detect the difference. CO4 Describe the characteristics of vulnerabilities in transportation systems.	Bragdon, Foreword and Chapter 1-Transportation Security and Its Impact Watch the YouTube video on the National Transportation Security Center of Excellence https://www.youtube.com/watch?v=v7qJ_pYiQQU Review the following website and locate your office's information US Department of Homeland Security (DHS) http://www.dhs.gov	Due: Week 2 Forum
3	Transportation Security Through Logistics Transformation	CO4 Describe the characteristics of vulnerabilities in transportation systems. CO5 Describe the impact of technology on countering threats to transportation systems. CO7 Classify the roles, functions of, and interdependency between local, federal, and international law enforcement and military agencies to foster border security.	Bragdon, Chapter 2-Transportation Security Through Logistics Transformation Review the following website and locate your office's information Transportation Security Administration (TSA) http://www.tsa.gov	Due: Week 3 Forum
4	The Need for a Transportation Systems Approach	CO3 Differentiate between natural and unnatural threats to transportation systems and how to detect the difference. CO4 Describe the characteristics of vulnerabilities in transportation systems.	Bragdon, Chapter 3-The Need for a Transportation Systems Approach Watch this video regarding railway transportation system http://www.youtube.com/watch?v=1pXlvIpP_d8	Due: Week 4 Forum Assignment Week 4

		CO6 Discuss differences in dealing with security threats for passenger versus freight transportation systems. CO8 Employ effective strategies to generate useful information for local, national and international law enforcement agencies.		
5	Mobility Security and Human Behavior	CO4 Describe the characteristics of vulnerabilities in transportation systems. CO5 Describe the impact of technology on countering threats to transportation systems. CO7 Classify the roles, functions of, and interdependency between local, federal, and international law enforcement and military agencies to foster border security.	Bragdon, Chapter 4- Mobility Security and Human Behavior Watch the video and comment https://www.youtube.com/watch?v=Hs07qMvfZq8 Review the Emergency Transportation and Preparedness and Response information at http://ops.fhwa.dot.gov/publications/etopr/common_issues/etopr_common_issues.pdf	Due: Week 5 Forum Assignment Week 5

6	Road Transportation and Infrastructure Security	CO4 Describe the characteristics of vulnerabilities in transportation systems. CO5 Describe the impact of technology on countering threats to transportation systems. CO7 Classify the roles, functions of, and interdependency between local, federal, and international law enforcement and military agencies to foster border security.	Bragdon, Chapter 5-Road Transportation and Infrastructure Security Watch this video and comment https://www.youtube.com/watch?v=1u-8X7xVALo Review this website to learn about highway transportation security efforts and the "See something, say something" program http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_793.pdf	Due: Week 6 Forum
7	Aviation Security	CO4 Describe the characteristics of vulnerabilities in transportation systems. CO5 Describe the impact of technology on countering threats to transportation systems. CO7 Classify the roles, functions of, and interdependency between local, federal, and international law enforcement and military agencies to foster border security.	Bragdon, Chapter 6-Aviation Security Watch this video showing the 9/11 hijackers going through the Dulles Airport security line https://www.youtube.com/watch?v=uLEqjpHVPhM	Due: Week 7 Forum Assignment Week 7

8	Maritime Security and Computer and Transportation Systems Security	CO4 Describe the characteristics of vulnerabilities in transportation systems. CO5 Describe the impact of technology on countering threats to transportation systems. CO6 Discuss differences in dealing with security threats for passenger versus freight transportation systems. CO7 Classify the roles, functions of, and interdependency between local, federal, and international law enforcement and military agencies to foster border security.	Bragdon, Chapter 7- Maritime Security and Chapter 8 Computer and Transportation Systems Security Read this article regarding the role of the US Coast Guard and security http://www.uscg.mil/top/missions/MaritimeSecurity.asp Watch the video regarding the Somali pirates' hijacking of the Maersk Alabama https://www.youtube.com/watch?v=rMvGIqa-ZlM	Due: Week 8 Forum Assignment Week 8
9	Intermodal Transport Security Technology and Technology to Transportation Applications	CO4 Describe the characteristics of vulnerabilities in transportation systems. CO5 Describe the impact of technology on countering threats to transportation systems. CO6 Discuss differences in dealing with security threats for passenger versus freight transportation systems.	Bragdon, Chapter 9- Intermodal Transport Security Technology and Chapter 10-Transportation Security: Applying Military Situational Awareness System Technology to Transportation Applications Watch this video regarding the tracking and monitoring of containerized cargo ships https://www.youtube.com/watch?v=3e6DiC_e7N8 Review this website to see how the technology is used by DHS for monitoring terrorist activities	Due: Week 9 Forum

		CO7 Classify the roles, functions of, and interdependency between local, federal, and international law enforcement and military agencies to foster border security.	http://www.dhs.gov/national-terrorism-advisory-system	
10	Automatic Identification and Data Capture (AIDC): The Foundation of Military Logistics and Infrastructure Recovery Initiatives	CO4 Describe the characteristics of vulnerabilities in transportation systems. CO5 Describe the impact of technology on countering threats to transportation systems. CO6 Discuss differences in dealing with security threats for passenger versus freight transportation systems. CO7 Classify the roles, functions of, and interdependency between local, federal, and international law enforcement and military agencies to foster border security.	Bragdon, Chapter 11- Automatic Identification and Data Capture (AIDC): The Foundation of Military Logistics and Chapter 12- Infrastructure Recovery Initiatives: A Retrospective Assessment Review this website on the US Transportation Command http://www.dtic.mil/ndia/2009science/Bernstein.pdf	Due: Week 10 Forum Assignment Week 10
11	Immigration and National Security: Best Practices	CO4 Describe the characteristics of vulnerabilities in transportation systems. CO5 Describe the impact of	Bragdon, Chapter 13- Immigration and National Security: Best Practices Review this document and comment http://www.cbp.gov/sites/default/files/documents/bp_strategic_plan.pdf	Due: Week 11 Forum

		technology on countering threats to transportation systems. CO7 Classify the roles, functions of, and interdependency between local, federal, and international law enforcement and military agencies to foster border security.	Read this article about the use of biometrics in border security matters https://travel.state.gov/content/visas/en/general/border-biometrics.html	Final Project
12	Fast Integrated Response Systems (FIRST) and Establishing a Global Center for Preparedness (GCP)	CO8 Employ effective strategies to generate useful information for local, national and international law enforcement agencies.	Bragdon, Chapter 14-Fast Integrated Response Systems (FIRST) and Establishing a Global Center for Preparedness (GCP)	Due: Week 12 Forum Exam Week 12 Close Out Surveys

Policies

Please see the Student Handbook to reference all University policies. Quick links to frequently asked question about policies are listed below.

Drop/Withdrawal Policy
Plagiarism Policy
Extension Process and Policy
Disability Accommodations

Writing Expectations
Communication in these fields demands careful and well-prepared written documents. I expect that your forum posts and written assignments will

adhere to the highest standards of professional writing, including flawless style and grammar, as well as astute use of professional academic sources.

Citation and Reference Style

Attention Please: Students will follow the Turabian/Chicago Style as the sole citation and reference style used in written work submitted as part of this course. Specifically, the parenthetical citations-reference list style method, which includes in-text citations with an adjoining reference list, will be utilized. Additional information concerning this writing style can be found within the APUS Turabian Style Guide.

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.

Netiquette

Online universities promote the advancement of knowledge through positive and constructive debate – both inside and outside the classroom. Forums on the Internet, however, can occasionally degenerate into needless insults and "flaming." Such activity and the loss of good manners are not acceptable in a university setting – basic academic rules of good behavior and proper "Netiquette" must persist. Remember that you are in a place for the rewards and excitement of learning which does not include descent to personal attacks or student attempts to stifle the Forum of others.

- **Technology Limitations:** While you should feel free to explore the full-range of creative composition in your formal papers, keep e-mail layouts simple. The Sakai classroom may not fully support MIME or HTML encoded messages, which means that bold face, italics, underlining, and a variety of color-coding or other visual effects will not translate in your e-mail messages.
- **Humor Note:** Despite the best of intentions, jokes and especially satire can easily get lost or taken seriously. If you feel the need for humor, you may wish to add "emoticons" to help alert your readers: ;-), :), ☺

Disclaimer Statement

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

Table of Contents

Online Library

The Online Library is available to enrolled students and faculty from inside the electronic campus. This is your starting point for access to online books, subscription periodicals, and Web resources that are designed to support your classes and generally not available through search engines on the open Web. In addition, the Online Library provides access to special learning resources, which the University has contracted to assist with your studies. Questions can be directed to **librarian@apus.edu**.

- **Charles Town Library and Inter Library Loan:** The University maintains a special library with a limited number of supporting volumes, collection of our professors' publication, and services to search and borrow research books and articles from other libraries.
- **Electronic Books:** You can use the online library to uncover and download over 50,000 titles, which have been scanned and made available in electronic format.
- **Electronic Journals:** The University provides access to over 12,000 journals, which are available in electronic form and only through limited subscription services.
- **Tutor.com**: AMU and APU Civilian & Coast Guard students are eligible for 10 free hours of tutoring provided by APUS. Tutor.com connects you with a professional tutor online 24/7 to provide help with assignments, studying, test prep, resume writing, and more. Tutor.com is tutoring the way it was meant to be. You get expert tutoring whenever you need help, and you work one-to-one with your tutor in your online classroom on your specific problem until it is done.

Request a Library Guide for your course (http://apus.libguides.com/index.php)
The AMU/APU Library Guides provide access to collections of trusted sites on the Open Web and licensed resources on the Deep Web. The following are specially tailored for academic research at APUS:

- Program Portals contain topical and methodological resources to help launch general research in the degree program. To locate, search by department name, or navigate by school.
- Course Lib-Guides narrow the focus to relevant resources for the corresponding course. To locate, search by class code (e.g., SOCI111), or class name.

If a guide you need is not available yet, please email the APUS Library: librarian@apus.edu.

Table of Contents

Turnitin.com

Turnitin.com is a web-based plagiarism prevention application licensed, for campus use, through the APUS Online Library. Your assignments will be automatically submitted for review and requires no action on your part.

Turnitin.com analyzes electronic submissions of student writing, compares them to the contents of a huge online database, and generates a customized Originality Report. The database used to produce this analysis contains a massive collection of documents available on the Internet from both free and commercial sources, as well as the full texts of all other papers that have been previously submitted to Turnitin.com.

Similarity index is based on the amount of matching text to a submitted paper:

Blue =   no matching text
Green =   one word to 24% matching
Yellow =   25 -49% matching text
Orange =   50-74% matching text
Red =   75-100% matching text

Selected Bibliography

Table of Contents

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Spearin, C. (2014). PROMISING PRIVATEERS?. Naval War College Review, 67(2), 97-116. http://search.ebscohost.com.ezproxy2.apus.edu/login.aspx?direct=true&db=aph&AN=94921559&site=ehost-live&scope=site

Strandberg, V. (2013). Rail bound traffic--a prime target for contemporary terrorist attacks? Journal of Transportation Security, 6(3), 271-286. doi:http://dx.doi.org/10.1007/s12198-013-0116-0 http://search.proquest.com.ezproxy1.apus.edu/docview/1417402949?accountid=8289

Loffi, J. M., Bliss, T. J., & Depperschmidt, C. L. (2013). Identifying knowledge demands and professional skill sets for employment within the aviation security environment: A qualitative inquiry of aviation security professionals. Journal of Transportation Security, 6(3), 235-256. doi:http://dx.doi.org/10.1007/s12198-013-0114-2 http://search.proquest.com.ezproxy1.apus.edu/docview/1417402914?accountid=8289

Anderson, B. (2011). Supply chain security innovations to adapt to emerging threats. Security, 48(6), 28-28,30. Retrieved from http://search.proquest.com/docview/872199237?accountid=8289 http://search.proquest.com.ezproxy1.apus.edu/docview/872199237?accountid=8289