

San José State University
Lucas Graduate School of Business
Master of Science in Transportation Management
MTM 226B
Security Issues for Transportation Professionals Spring-B 2018

Course and Instructor Contact Information

Instructor:	Dan Goodrich, MPA, CEM, CSS, MEP
Office Location:	Home
Telephone:	(408) 807-0930
Email:	Daniel.Goodrich@sjsu.edu
Office Hours:	7:00pm to 9:00pm by phone Monday and Tuesday or by appointment
Class Day/Time:	Wednesday, 5:30 – 9:30 pm, March 14 through May16
Classroom:	Specified video-conferencing locations (For locations, contact Ms. Viviann Ferea at viviann.ferea@sjsu.edu)

Course Format

Students attend class sessions via live video conferencing at the site most convenient to them, with sites at the Mineta Transportation Institute, Caltrans District headquarters, and other participating agencies.

Students must have regular access to email and the internet in order to communicate with the instructor, submit assignments, and engage in other class activities.

Papers will be submitted electronically in Microsoft Word or PDF format except for IRTB and PRSBI materials.

Course Description

Examines contemporary challenges to transportation security. Topics to be covered include: management of infrastructure challenges (such as tunnel, bridge, road and rail vulnerabilities) prevention of and response to theft, work place violence, disruptive terrorism, suicide and placement combing attacks, and their related protection strategies. Students will learn about federal and state grants for security, as well as regional transportation planning for disaster response planning.

MSTM Program Goals:

(Note: Not all program learning goals are covered in every course)

Goal One: Management of Transportation Organizations

Develop a system-level and global perspective on the management of transportation organizations.

Goal Two: Transportation Policy

Develop an awareness of the transportation policy environment, including fiscal mechanisms, legislative structures, and intergovernmental coordination.

Goal Three: Leadership

Develop potential for leadership in transportation organizations.

Goal Four: Communication Skills

Develop written and oral communication skills and techniques.

Goal Five: Analytical Skills

Develop ability to analyze management issues and situations using appropriate conceptual approaches.

Goal Six: Information Technology

Develop basic understanding of commonly used information technology applications used by the transportation industry.

Course Learning Outcomes

To educate transportation professionals about security as it applies to managing a transit system or transportation department.

Upon successful completion of this course, students will be able to:

LO 1- Identify and evaluate the major principles of transportation security which is assessed in the memos and Five Paragraph Order

LO 2 – Ensure that the student can properly use security terminology in a transportation environment, which is assessed in the memos and the Five Paragraph Order.

LO 3 – Ensure that the student can access appropriate organizations and stakeholders in transportation security which is assessed in the Skill Set report and Five Paragraph Order

LO 4 – Ensure that the student can assess the effectiveness of a security program for a transportation department or a transportation agency which is assessed in the Five Paragraph Order

Required Texts/Readings

Only two books (Security and Loss Prevention and either The Art of the Steal or The Con) listed below need to be purchased, the rest are available on the Internet.

Ecodefense: A Field Guide To Monkeywrenching 3rd Edition Edited by Dave Foreman

http://theanarchistlibrary.org/HTML/Various_Authors_Ecodefense_A_Field_Guide_to_Monkeywrenching.html#toc235

An Anarchist Cookbook: Recipes for Disaster CrimethInc 2004

http://www.archive.org/stream/RecipesForDisasterAnAnarchistCookbook/recipes_for_disaster#page/n0/mode/2up

Stealthiswiki “Security Culture”

https://stw.darknedgy.net/index.php?title=Security_Culture

MTI Report 12-74 The Challenge of Protecting Transit and Passenger Rail

Principal Investigator: Brian Michael Jenkins

<http://transweb.sjsu.edu/PDFs/research/1130-how-transit-and-passenger-rail-security-protect-against-terrorism.pdf>

MTI Report 97-04 Protecting Surface Transportation Systems and Patrons from Terrorist Activities

Principal Investigator: Brian Michael Jenkins

<http://www.transweb.sjsu.edu/mtiportal/research/publications/documents/97-04.pdf>

MTI Report 01-07 Protecting Public Surface Transportation Against Terrorism and Serious Crime: Continuing Research on Best Security Practices

Principal Investigator: Brian Michael Jenkins

<http://www.transweb.sjsu.edu/mtiportal/research/publications/documents/01-07.pdf>

The Art of the Steal: How to Protect Yourself and Your Business from Fraud, America's #1 Crime, 2002 Frank W. Abagnale

http://www.amazon.com/Art-Steal-Yourself-Business-Americas/dp/0767906845/ref=pd_bbs_sr_1/103-9204125-6511829?ie=UTF8&s=books&qid=1186028731&sr=1-1

*****Check your local library for a copy*****

The Con: How Scams Work, Why You're Vulnerable, and How to Protect Yourself, 2011 James Munton and Jelita McLeod

https://www.amazon.com/Scams-Youre-Vulnerable-Protect-Yourself/dp/1442207310/ref=sr_1_1?s=books&ie=UTF8&qid=1520654412&sr=1-1&keywords=how+scams+work+the+con

*****Check your local library for a copy*****

Security And Loss Prevention: An Introduction, Sixth Edition, 2013 Philip P. Purpura

http://www.amazon.com/Security-Loss-Prevention-Sixth-Introduction/dp/0123878462/ref=sr_1_1?s=books&ie=UTF8&qid=1426222060&sr=1-1&keywords=security+and+loss+prevention+6th+ed

BosnianBill's LockLab

<http://lock-lab.com>

Other Readings

Additional reference material will be provided on a DVD.

Library Liaison

The Library Liaison for the Lucas Graduate School of Business is Christa Bailey (christa.bailey@sjsu.edu).

Course Requirements and Assignments

Quiz: One take-home quiz will be used to help guide your reading and determine if the course material is having the intended effect.

Skill Set Report: A specific research topic will be selected by each student to research and report back to the class on as the course progresses. The report will be verbal with web references. Use of video (Youtube, videosurf, etc.) is optional.

Video Report: A 2-page report based on a crime case documentary from YouTube (i.e, Masterminds). The report must identify the skillset needed for the perpetrator to have successfully carried out their crime and why they were caught. Criteria for evaluating the reports: clarity, completeness, appropriate format, spelling and grammar.

Participation: This includes interacting with the professor and other students during lectures and student presentations. Participation in the discussion of student projects accounts for 10% of your overall grade, and question and answer during lectures accounts for 4%.

Memos: Select two different transportation assets that might be a target of theft, vandalism or terrorism. Using open source documentation, such as photos or physical descriptions, develop a threat assessment, impact statement and preventive action plan for your selected asset. Real intelligence, i.e. location, times, personnel names must be substituted.

First Memo will concern a door of your choosing that presents a security issue/concern.

Second Memo will be a security issue of your choosing.

Write a 2-page (double spaced) report using the public/council memo format (to/from/subject/date heading; background, analysis, conclusion) describing the asset/situation you selected.

Background = description of the asset, including likely types of loss.

Analysis = what vulnerabilities exist for this asset, what would the community impacts be if this asset were out of service for several weeks or more, what local, state or national political ramifications would there be if this asset were out of service for several weeks or more.

Conclusion = recommendation for a corrective/preventative course of action.

Criteria for evaluating the memos: clarity, completeness, appropriate format, spelling and grammar.

Five Paragraph Order: As described in class session 4, represents the culminating experience of the class. Using a standard US military planning format, the student will develop an operational level plan on evaluating a transportation security apparatus with intention to defeat/bypass and provide commentary on how such a plan might be thwarted. Grading is based on thoroughness of plan, clarity, spelling and punctuation.

Grading Information

Task	% of Course Grade
Quiz	12%
Skill Set Report	15%
Video Report	12%
Classroom Participation	14%
Memos (2)	22%
Five Paragraph Order	25%

Determination of Grades

- Extra credit will not be available.
- A 1% deduction will be applied for each day a task is late up to the total value of the task. The only exception will be for documented medical issues or family emergencies (i.e., death in the family).

Percentage	Grade
98% and above	A+
97% - 93%	A
92% - 90%	A-
89% - 87%	B+
86% - 84%	B
83% - 80%	B-
79% - 77%	C+
76% - 73%	C
72% - 70%	C-
69% - 67%	D+
66% - 63%	D
62% - 60%	D-
below 60%	F

Classroom Protocol for the Lucas College Graduate School of Business

<http://www.sjsu.edu/cob/Students/policies/index.html>

University Policies

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs' [Syllabus Information web page](#) at <http://www.sjsu.edu/gup/syllabusinfo/>"

Lucas College and Graduate School of Business Mission

We are the institution of opportunity in Silicon Valley, educating future leaders through experiential learning and character development in a global business community and by conducting research that contributes to business theory, practice and education.

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Course Schedule

Schedule subject to change with fair notice to students via email

Week	Date	Topics, Readings, Assignments, Due Dates
1	3/14	Introductions, Mindset, Tools and the Game BosnianBill's LockLab http://lock-lab.com
2	3/21	OPEN SOURCES MTI Report 97-04 & 01-07 Directed, three teams <i>Ecodefence: Chapter 9, Security</i> – skim read <i>Recipes for Disaster: Page 330 and 461-473 "Security Culture"</i> <i>Stealthiswiki "Security Culture"</i>
3	3/28	INCIDENT RESPONSE TO TERRORIST BOMBINGS MTI Report 12-74 The DVD
4	4/4	THE PLAYING FIELD, Five Paragraph Order <u>Memo 1 Due</u> Security And Loss Prevention: Chapter 1 The Art Of The Steal: Prologue, Chapters 1-7 OR The Con: Chapters 1-8
5	4/11	FOUNDATIONS AND THE BROADER FIELD <u>Video Report Due</u> Security And Loss Prevention: Chapters 3 and 18 The Art Of The Steal: Chapters 8-11 OR The Con: Chapters 9 – Appendix A
6	4/18	CRITICAL INFRASTRUCTURE AND TXVXVOA= R Security And Loss Prevention: Chapter 16 <i>then</i> 2 and 12
7	4/25	INTERNAL ISSUES Skill Set Reports Security And Loss Prevention: Chapter 7 <i>then</i> 6
8	5/2	EXTERNAL ISSUES <u>Memo 2 Due</u> Skill Set Reports Security And Loss Prevention: Chapters 8 and 9
9	5/9	PREVENTION AND RESPONSE TO SUICIDE BOMBING INCIDENTS Security And Loss Prevention: Chapters 10 and 11
10	5/16	YOU ARE A TARGET <u>Five Para Order (due Monday 5/14)</u> Security And Loss Prevention: Chapter 5