

**San José State University**  
**Lucas Graduate School of Business**  
**Master of Science in Transportation Management**  
**MTM 226B: Security Issues for Transportation Professionals**  
**Spring-B 2026**

**Course and Instructor Contact Information**

<b>Instructor:</b>	Dan Goodrich, MPA, CEM, MEP
<b>Office Location:</b>	Contract Instructor
<b>Email:</b>	<a href="mailto:Daniel.Goodrich@sjsu.edu">Daniel.Goodrich@sjsu.edu</a>
<b>Class Day/Time:</b>	Tuesdays, 5:30 – 9:30 pm (PDT), March 17 through May 26 Equipment setup and check-in after 5:00pm
<b>Classroom:</b>	Online Zoom

**Course Format**

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. All work is to be turned in as a Microsoft Word, PowerPoint or PDF format to [Daniel.Goodrich@sjsu.edu](mailto:Daniel.Goodrich@sjsu.edu) unencrypted.

Students attend class sessions online using Zoom, SJSU's online meeting application.

You can join class using SJSU Zoom from any location, as long as you:

- Are in a quiet room without distractions (e.g., no family members or colleagues walking through or asking questions)
- Have stable internet access
- Use a video camera and good quality microphone so that you are seen as well as heard
- Follow good "meeting etiquette" principles (one such list: [Virtual Meeting Etiquette: The 20 Ground Rules For Virtual Meetings](#) )

Classroom will be opened at 5:00pm PST. Plan to join at least five minutes before the 5:30 pm start time, to make sure you are ready when class begins. (The very first time you join from a computer or device, allow extra time for set-up.)

The university has many useful tutorials on how to use Zoom here: <https://www.sjsu.edu/cfeti/teaching-resources/software/video-creative/zoom/faq.php>

**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, terrorism (including suicide and combined arms 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 Learning Goals:

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

- Goal 1: Transportation Systems and Society:** Craft management decisions that integrate knowledge of multi-modal transportation, social, and environmental systems
- Goal 2: Transportation Policy:** Develop innovative solutions to transportation management challenges
- Goal 3: Leadership:** Develop high-impact leadership styles and competencies (traits, skills, behaviors)
- Goal 4: Communications:** Communicate effectively with a diverse workforce and citizenry
- Goal 5: Analytical skills:** Identify and evaluate transportation management issues using appropriate data and methods

## Course Learning Outcomes

This course educates 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.
- LO 2 – Properly use security terminology in a transportation environment.
- LO 3 – Access appropriate organizations and stakeholders in transportation security.
- LO 4 – Assess the effectiveness of a security program for a transportation department or a transportation agency.

## Required Texts/Readings

**An Anarchist Cookbook: Recipes for Disaster** CrimethInc 2004

[http://www.archive.org/stream/RecipesForDisasterAnAnarchistCookbook/recipes\\_for\\_disaster#page/n0/mode/2up](http://www.archive.org/stream/RecipesForDisasterAnAnarchistCookbook/recipes_for_disaster#page/n0/mode/2up)

**Stealthiswiki “Security Culture”**

See PDF email attachment “Steal This Wiki 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://transweb.sjsu.edu/sites/default/files/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://transweb.sjsu.edu/sites/default/files/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](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)

**OR**

**Scam Me If You Can: Simple Strategies to Outsmart Today's Rip-off Artists,**

2019 Frank W. Abagnale

[https://www.amazon.com/Scam-Me-You-Can-Strategies/dp/0525538968/ref=sr\\_1\\_1?keywords=scam+me+if+you+can&qid=1584510674&sr=8-1](https://www.amazon.com/Scam-Me-You-Can-Strategies/dp/0525538968/ref=sr_1_1?keywords=scam+me+if+you+can&qid=1584510674&sr=8-1)

**Security Metrics Management, How to Manage the Costs of an Asset Protection Program, First Edition, 2005** Dr. Gerald L. Kovacich and Edward P. Halibozek

[https://www.amazon.com/Security-Metrics-Management-Protection-Program-ebook/dp/B001CESGDQ/ref=sr\\_1\\_2?dchild=1&qid=1615778352&refinements=p\\_27%3AGerald+L.+Kovacich&s=digital-text&sr=1-2&text=Gerald+L.+Kovacich](https://www.amazon.com/Security-Metrics-Management-Protection-Program-ebook/dp/B001CESGDQ/ref=sr_1_2?dchild=1&qid=1615778352&refinements=p_27%3AGerald+L.+Kovacich&s=digital-text&sr=1-2&text=Gerald+L.+Kovacich)

### Other Readings

**Ecodefense: A Field Guide To Monkeywrenching** 3<sup>rd</sup> Edition Edited by Dave Foreman

[http://theanarchistlibrary.org/HTML/Various\\_Authors\\_Ecodefense\\_A\\_Field\\_Guide\\_to\\_Monkeywrenching.html#toc235](http://theanarchistlibrary.org/HTML/Various_Authors_Ecodefense_A_Field_Guide_to_Monkeywrenching.html#toc235)

**BosnianBill's LockLab**

<http://lock-lab.com>

### Library Liaison

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

### Course Requirements and Assignments

Success in this course is based on the expectation that students will spend, for each unit of credit, a minimum of 45 hours over the length of the course for instruction, preparation/studying, or course related activities.

**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. This requires the use of video and audio medium per SJSU online class guidelines.

**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/redacted.

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 report using the **provided public/council memo format** (to/from/subject/date heading; background, analysis, conclusion) describing the asset/situation you selected.

Criteria for evaluating the memos: use of provided format, clarity, completeness, spelling and grammar.

**Memo Grading:** As described in class session 1, represents an opportunity to evaluate and grade a memo provided using the same metrics used in assessing the two memos submitted as part of the regular course work. Purpose is to provide insight into evaluating and proof reading. Grading is based on thoroughness of identifying mistakes

**Playground:** Represents an opportunity to apply lessons learned in class session 5 by visiting a local playground and determining observation and counter-observation points.

## **Final Evaluation**

**Security Project Report:** As described in class session 4, represents the culminating experience of the class. Using a project management structure, 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.

## **University Policies**

Per [University Policy S16-9](http://www.sjsu.edu/senate/docs/S16-9.pdf) ( <http://www.sjsu.edu/senate/docs/S16-9.pdf> ), information relevant to all courses, such as academic integrity, accommodations, dropping and adding, consent for recording of class, etc. is available on Office of Graduate and Undergraduate Programs' [Syllabus Information web page](http://www.sjsu.edu/gup/syllabusinfo/) at <http://www.sjsu.edu/gup/syllabusinfo/>." Make sure to visit this page, review, and be familiar with these university policies and resources.

## **Grading Information**

This course is structured to provide as much feedback as possible by two methods. The first is having in class discussions on each of the assignments **except** for the two memos. This includes the Security Project Report. Discussions will address the general responses of the class. Individual responses of particular note might be cited but only if they are reaffirming. An individual meeting with each student, via phone or Zoom, student's choice, will also be conducted. This will be scheduled around weeks six and seven and will address the first memo as well as any other material to that date.

Students' course grades will be assessed as follows:

<b>Task</b>	<b>Learning Objectives Covered</b>	<b>Points</b>	<b>Percentage of Course Grade</b>
<b>Memo Grading</b>	<b>1, 2</b>	<b>3</b>	<b>3%</b>
<b>Quiz</b>	<b>1, 3</b>	<b>10</b>	<b>10%</b>
<b>Video Report</b>	<b>2, 4</b>	<b>10</b>	<b>10%</b>
<b>Skillset Report</b>	<b>2, 4</b>	<b>10</b>	<b>10%</b>
<b>Playground</b>	<b>1, 4</b>	<b>10</b>	<b>10%</b>
<b>Memos (2)</b>	<b>1, 2</b>	<b>11 each</b>	<b>22%</b>
<b>Security Project Report</b>	<b>1, 2, 3, 4</b>	<b>25</b>	<b>25%</b>
<b>Classroom Participation</b>	<b>1, 2, 3, 4</b>	<b>10</b>	<b>10%</b>

#### **Determination of Grades**

- A 1% deduction will be applied for each day a task is late up to the total value of the task. For example, if the quiz is one day late then maximum value will be 9%. If it is 10 days late it will have no value. The only exception will be for documented medical issues or family emergencies (i.e., death in the family).

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

# MTM 226B Spring 2026

## Course Schedule

Schedule subject to change with fair notice to students via email

Week	Date	Topics, Readings, Assignments, Due Dates
1	3/17	<b>Introductions</b> , Mindset, Tools and the Game <b>BosnianBill's LockLab</b> <a href="http://lock-lab.com">http://lock-lab.com</a>
2	3/24	<b>OPEN SOURCES</b> <span style="float: right;"><b><u>Memo Grading Due 5:29pm</u></b></span> MTI Report 97-04 & 01-07 Directed, teams <i>Recipes for Disaster: Page 330 and 461-473 "Security Culture"</i> <i>Stealthiswiki "Security Culture"</i> <i>Ecodefence: Chapter 9, Security – reference</i>
3	4/7	<b>Energetic Materials</b> MTI Report 12-74
4	4/14	<b>OFFENSE And DEFENSE, Security Project Report</b> <span style="float: right;"><b><u>Memo 1 Due at 11:59pm</u></b></span> Security Metrics Management: Introduction and Chapter 1 The Art of the Steal: Prologue, Chapters 1-7 <b>OR</b> Scam Me If You Can, Intro, Chapters 1-6
5	4/21	<b>SURVEILLANCE, Detection and Counter</b> <span style="float: right;"><b><u>Video Report Due at 11:59pm</u></b></span> Security Metrics Management: Chapters 3 and 4 The Art of the Steal: Chapters 8-11 <b>OR</b> Scam Me If You Can, Chapters 7-14, Epilogue
6	4/28	<b>Risk Management, Audits and Collecting Data</b> <span style="float: right;"><b><u>Playground Due at 11:59pm</u></b></span> Security Metrics Management: Chapters 10, 11 and 24
7	5/5	<b>Organization wide issues</b> <span style="float: right;"><b>Skill Set Report in-class presentations</b></span> Security Metrics Management: Chapters 7, 8 and 9
8	5/12	<b>Security apparatus issues</b> <span style="float: right;"><b><u>Memo 2 Due at 11:59pm</u></b></span> <span style="float: right;"><b>Skill Set Report in-class presentations</b></span> Security Metrics Management: Chapters 14, 15 and 16
9	5/19	<b>Motivation</b> Security Metrics Management: Chapters 12, 19
10	5/26	<b>YOU ARE A TARGET</b> <span style="float: right;"><b>Skill Set Report in-class presentations</b></span> Security Metrics Management: Chapter 18

**Security Project Report Due Sunday 5/24 at 11:59pm**