

GEOG 3300 Transportation Security– Spring 2022	
Instructor	Dr. Harvey J. Miller I am a Professor in the Department of Geography and Director of the Center for Urban and Regional Analysis. My areas of expertise are geospatial and mobility analytics applied to the challenges surrounding sustainable, equitable and innovative transportation and communities. My role is to design and deliver the course and answer questions about its content. I also supervise the grading of examinations and assignments. I am responsible for the final grades.
Teaching Associate	Ahmad Tokey tokey.1@buckeyemail.osu.edu Mr. Tokey is a PhD student in the Department of Geography and has a professional background in urban planning and geography. His expertise is in human mobility, travel behavioral modeling, geospatial and statistical analysis. He will be the primary grader for the class, under the supervision of the instructor.
Lectures	Tue, Thurs 5:30-6:50PM Hitchcock Hall 324
Office hours	Tues, Thurs 4:00PM – 5:00 PM or by appointment Derby Hall 1176 or Chat/Zoom (via Canvas)
Phone	(614) 292-5207
Email	miller.81@osu.edu
Homepage	u.osu.edu/miller.81 This webpage describes my research and teaching activities.

Course Description
This course is an introduction to transportation security: protecting transportation networks from damage and humans from injuries and deaths caused by intentional acts. We will discuss major transportation modes including air, maritime and land-based systems, their properties and the evolution of threats against these systems. We will also discuss the varying roles of private and public sector agents and their responsibilities.

Learning Objectives
<ol style="list-style-type: none"> 1) Provide an understanding of the importance of transportation in human activity in historical and contemporary contexts; 2) Identify the major modes of transportation and their general characteristics and to understand the role each plays in the broader context of human activity; 3) Identify and understand elements associated with protecting transportation infrastructure and cargo, to include regulations; industrial practices; cargo screening equipment; personnel, physical, and procedural security requirements; and new security technologies;

- 4) Identify the major transportation industry and government institutions responsible for addressing transportation security issues, and to understand the role each plays in shaping transportation security policies and procedures;
- 5) Identify and understand key concepts and methods used by transport planners and/or policy-makers in addressing transportation security issues;
- 6) Assess and understand transportation security vulnerabilities from a geographic, transport planning, and/or policy perspective, as well as identify and understand current international security threats, countermeasures, and potential future security concerns.

Lectures, Textbook and Learning Technologies

This is an in-person class with lectures. You are expected to attend the regular lectures and participate in the class discussions.

Course textbook: Johnstone, R. William, *Protecting Transportation: Implementing Security Policies and Programs*. [A PDF version is available in Canvas](#)

In addition to the text, supplemental material will be posted at the Canvas course site.

It is your responsibility to ensure access to the learning technology website and its tools. This includes seeking technical support from OSU staff when encountering any problems. Students must themselves confirm that assignments are successfully posted or files are uploaded to Carmen in order to receive credit.

Student Requirements and Course Grading Policy

Students will be evaluated on their performance through five (5) homework assignments, two (2) midterm exams and one (1) term project.

Exams are open book and administered via Canvas. This will occur during regular class time on the dates indicated, but not in the classroom: you must take the exam on your own computer or device. It is the student's responsibility to ensure they have a stable internet connection and a place to take the exam. The instructor and TA will be monitoring the exam as it occurs and will be available via Canvas message or email.

Homework will be penalized 5% (of that homework's score) for every day late and will not be accepted after three days.

The term project will be penalized 10% for each day late and will not be accepted after two days.

Any exceptions to these rules must be submitted and approved by the instructor prior to the assignment, exam or the term project. Retroactive exceptions will not be granted except for emergency situations.

Item	Percentage of final grade	Total
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Homework	8% per assignment	40%
Midterm exams	20% per exam	40%
Term project		20%
TOTAL		100%
<p>Letter grades: A: 94 – 100 %. A-: 90 – 93 %. B+: 87 – 89 %. B: 84 – 86 %. B-: 80 – 83 %. C+: 77 – 79 %. C: 74 – 76 %. C-: 70 – 73 %. D+: 67 – 69 %. D: 60 – 66 %. E: 0 – 59 %</p>		

Policies and Expectations

Disability services. The university strives to make all learning experiences as accessible as possible. In light of the current pandemic, students seeking to request COVID-related accommodations may do so through the university’s **request process**, managed by Student Life Disability Services. If you anticipate or experience academic barriers based on your disability (including mental health, chronic, or temporary medical conditions), please let me know immediately so that we can privately discuss options. To establish reasonable accommodations, I may request that you register with Student Life Disability Services. After registration, make arrangements with me as soon as possible to discuss your accommodations so that they may be implemented in a timely fashion. SLDS contact information: slds@osu.edu; 614-292-3307; slds.osu.edu; 098 Baker Hall, 113 W. 12th Avenue.

Academic misconduct. Academic misconduct in any form will not be tolerated; this includes but is not limited to, cases of plagiarism and dishonest practices in connection with examinations such as cheating. Plagiarism is the representation of another's works or ideas as one's own: it includes the unacknowledged word for word use and/or paraphrasing of another person's work, and/or the inappropriate unacknowledged use of another person's ideas. *All cases of suspected misconduct, in accordance with university rules, will be reported to the Committee on Academic Misconduct.* For additional information, see the Code of Student Conduct: <https://studentconduct.osu.edu/>

Professionalism and respect. Our primary joint responsibility in this class is to create a productive learning community. You are expected to conduct yourself with professionalism and respect in your interactions with other students and the instructor in your online behavior at the Canvas site.

Wellness. As a student you may experience a range of issues that can cause barriers to learning, such as strained relationships, increased anxiety, alcohol/drug problems, feeling down, difficulty concentrating and/or lack of motivation. These mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. The Ohio State University offers services to assist you with addressing these and other concerns you may be experiencing.

If you or someone you know are suffering from any of the aforementioned conditions, you can learn more about the broad range of confidential mental health services available on campus via the Office of Student Life's Counseling and Consultation Service (CCS) by visiting ccs.osu.edu or calling 614- 292-5766. CCS is located on the 4th Floor of the Younkin Success Center and 10th Floor of Lincoln Tower. You can reach an on call counselor when CCS is closed at 614-292-5766 and 24 hour emergency help is also available through the 24/7 National Suicide Prevention Hotline at 1-800-273- TALK or at suicidepreventionlifeline.org

COVID policies. We will follow OSU policies to keep our class safe and healthy. I ask you to do your part by following COVID protocols, including wearing well-fitting masks, social distancing, and no eating or drinking in the classroom. If you are not feeling well, please do not come to class, and please contact me and the appropriate health authorities. I pledge to work with you to keep your class experience moving forward to a successful outcome.

For more information, please see Safe and Healthy Buckeye website <https://safeandhealthy.osu.edu/>

Semester worksheet
 GEOG 3300
 T-H 5:30-6:50PM

Week	Date	Day	Topic	Textbook	Due
1	1/11/2022	T	No class		
	1/13/2022	H	Introduction to Transportation Security	Introduction	
2	1/18/2022	T	Transportation Security before 9/11	CH 1	
	1/20/2022	H	Transportation Security after 9/11	CH 2	HW1
3	1/25/2022	T	Transportation Systems Part 1 - Principles	CH 3	
	1/27/2022	H	Transportation Systems Part 2 - Empirical Examples and Resilience	CH 3	
4	2/1/2022	T	Transportation Security Roles Part 1 - International	CH 4	
	2/3/2022	H	Transportation Security Roles Part 2 - US	CH 4	HW2
5	2/8/2022	T	Transportation Security Policymaking in the US	CH 5	
	2/10/2022	H	<i>Midterm 1 review</i>	CH 5	
6	2/15/2022	T	Midterm Exam 1 - no class meeting: take on your own via Canvas		
	2/17/2022	H	Maritime Security Part 1 - Ports and Vessels	CH 6	
7	2/22/2022	T	Maritime Security Part 2 - Supply Chains and Domain Awareness	CH 6	
	2/24/2022	H	No class - AAG meeting		
8	3/1/2022	T	No class - AAG meeting		
	3/3/2022	H	Land Transportation Security Part 1 - Mass Transit and Passenger Rail	CH 7	Form Groups
9	3/8/2022	T	Land Transportation Security Part 2 - Freight, Highways and Pipelines	CH 7	
	3/10/2022	H	Aviation Security Part 1 - Commercial Aviation	CH 8	HW3
10	3/15/2022	T	No class - Spring Break		
	3/17/2022	H	No class - Spring Break		
11	3/22/2022	T	Avation Security Part 2 - Air Cargo	CH 8	
	3/24/2022	H	Aviation Security Part 3 - General Aviation	CH 8	HW4
12	3/29/2022	T	Guest Lecture		
	3/31/2022	H	Evaluating Transportation Security	CH 9	Topic Review
13	4/5/2022	T	Transportation Risk Analysis	CH 9	
	4/7/2022	H	Transportation Security in Context	CH 10	HW5
14	4/12/2022	T	<i>Midterm 2 review</i>		
	4/14/2022	H	Midterm Exam 2 - no class: take on your own via Canvas		

15	4/19/2022	T	No class - work on term project		
	4/21/2022	H	No class - work on term project		Term paper