



**GEOG 3300 –Transportation Security**  
**Course syllabus - Spring 2019**  
Rev. 1/2/2019

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**Welcome to GEOG 3300 –Transportation Security**

<b>Instructor:</b>	Dr. Seth Young
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<b>Office hours:</b>	W 2:00 pm – 3:00 pm and by appointment
<b>Course location:</b>	Cunz Hall 150
<b>Class time:</b>	T Th 12:45 – 2:05 pm
<b>Credit hours:</b>	3.0

**Course Description:**

Geographic aspects of transportation security. Spatial analysis of transportation linkages. Relationships between transportation and spatial organization; selected analytical models dealing with threats to transportation security.

**Prerequisites:**

Class standing

**Course Goals:**

This course serves as an introduction to transportation security. The objectives of the course are as follows:

1) To provide an understanding of the importance of transportation in human activity in historical and contemporary contexts; 2) To 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) To 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) To 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) To identify and understand key concepts and methods used by transport planners and/or policy-makers in addressing transportation security issues; 6) To 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.



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**Course Text:**

Johnstone, R. William, *Protecting Transportation: Implementing Security Policies and Programs*  
Electronic copy provided in Carmen.

In addition to the text, supplemental material will be distributed in class throughout the semester.

**Student Requirements and Course Grading Policy:**

Students will be evaluated on their performance through five (5) homework assignments, two (2) midterm exams, one (1) term project, and one (1) optional final exam. (The final exam, if taken, will replace the lowest midterm score *(even if the final exam score is lower than the lowest midterm score)*). All exams will be closed book. All exams will be taken during class time, with the exception of the final exam, which will be taken according to the university calendar. There will be **no exceptions** to these dates and times.

In addition to the above, students will be evaluated on their participation in the course. Your participation grade will be evaluated based on attendance and participation assignments (1% off for each unexcused absence, and percentages off for not completing requested “participation” assignments).

<u>Item</u>	<u>Percentage of Final Grade</u>	<u>Total</u>
Homework	7% per assignment	35 %
Midterm Exam	25% per exam	50 %
Final Exam (optional, will replace lowest midterm score)		(25 %)
Term Project		15 %
Total:		100%

**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 %



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COURSE SCHEDULE

GEOG 3300 Spring 2019 Syllabus Calendar

Week	Date	Lecture	Topic
1	8-Jan	1.1	Course Introduction / The Importance of Transportation Security
	10-Jan	1.2	History of Transportation Security I - Pre-9/11
2	15-Jan		<b>NO CLASS - Instructor off campus</b>
	17-Jan	1.3	History of Transportation Security II - Post 9/11
3	22-Jan	1.4	Transportation Networks I - Systems
	24-Jan	1.5	Transportation Networks II - Risks and Threats
4	29-Jan	1.6	Security Roles and Responsibilities I - Organizational Structures
	31-Jan	1.7	Security Roles and Responsibilities II - Rules and Regulations
5	5-Feb	1.8	Security Policy Making
	7-Feb	1.9	Security Risk Analysis and Threat Assessment
6	12-Feb		Midterm Review
	14-Feb		<b>Midterm Exam I</b>
7	19-Feb	2.1	Maritime Security
	21-Feb	2.2	Land Transportation Security - Highways and Roads
8	26-Feb	2.3	Land Transportation Security - Rails
	28-Feb	2.4	Land Transportation Security - Transit Systems
9	5-Mar	2.5	Land Transportation Security - Transit Systems
	7-Mar	2.6	Current issues in Land Transportation Security
10	12-Mar		<b>NO CLASS</b>
	14-Mar		<b>SPRING BREAK</b>
11	19-Mar	2.7	Aviation Security Recent History and Current Structure
	21-Mar	2.8	Aircraft Inflight Security
12	26-Mar	2.9	Airport Security I
	28-Mar	2.10	Airport Security II
13	2-Apr	2.11	Security of General Aviation
	4-Apr	2.12	Security of General Aviation II
14	9-Apr		Midterm Review
	11-Apr		<b>Midterm Exam II</b>
15	16-Apr		<b>NO CLASS - Complete Term Projects</b>
	18-Apr		Course Review
Thurs.	25-Apr		<b>FINAL EXAM 2:00 - 3:45</b>



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**IMPORTANT DATES**

<b>Date</b>	<b>Due</b>
22-Jan	Homework # 1 Due
5-Feb	Homework # 2 Due
14-Feb	MIDTERM EXAM 1
5-Mar	Homework # 3 Due
26-Mar	Homework # 4 Due
4-Apr	Homework # 5 Due
11-Apr	MIDTERM EXAM 2
18-Apr	Term Project Due
25-Apr	FINAL EXAM

The instructor reserves the right to modify the contents of this syllabus during the semester as deemed necessary. Every attempt to provide sufficient advance notice of such changes will be made.

Professor Notes:

Transportation Security is a dynamic and exciting subject of study, with many applications in many fields, including all modes of transportation, logistics, business, economics, environmental studies, and information systems. My goal is to bring theory and applications of transportation security into this course.

Doing so can be a real challenge. I would much prefer to hold class each day at an airport, logistics center, or riding in cars, buses, trains, or airplanes. Unfortunately, that's hard to do when we only have one hour per day a few days a week to meet. Instead, **it is my intention to make classes as exciting, current, and interactive as possible.** We are going to accomplish this by:

1. **Giving you the responsibility of reading the course text material at home in advance of class**, so that we don't have to go over the text material word by word in lecture. This will give us more time to have more exciting discussion in the classroom. This will also give us more time to learn about the latest developments in airport management that have occurred since the publication of your text book.



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2. **Giving you the opportunity to learn about various transportation security case studies and participate in discussions about these cases.** With modern day computing technology, I hope to engage in interactive discussions and work on problems using the TopHat interactive learning application.

If you have any questions about this syllabus, or suggestions on how you'd like to see this course enrich your learning experience, please let me know right away, so that I may attempt to incorporate your suggestion into the course. No promises, except that I'll try my best to accommodate.

### ***Academic Honesty***

It is the responsibility of the Committee on Academic Misconduct to investigate or establish procedures for the investigation of all reported cases of student academic misconduct. The term "academic misconduct" includes all forms of student academic misconduct wherever committed; illustrated by, but not limited to, cases of plagiarism and dishonest practices in connection with examinations. Instructors shall report all instances of alleged academic misconduct to the committee (Faculty Rule 3335-5-487). For additional information, see the Code of Student Conduct <http://studentlife.osu.edu/csc/>.

In short, please be advised that cheating, in any form, will not be tolerated. Evidence of cheating will result in disciplinary action, including, but not limited to, failure of assignments or entire course, suspension, or expulsion from the University. Simply put, cheating is not a good idea, so don't do it.

### ***Disability Services***

Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated and should inform the instructor as soon as possible of their needs. The Office for Disability Services is located in 098 Baker Hall, 113 W. 12<sup>th</sup> Ave.; telephone 292-3307, TDD 292-0901; <http://www.ods.ohio-state.edu/>

Again, welcome to GEOG 3300 – Transportation Security. I hope you enjoy the course.

- Dr. Y.