

SCST4377/CRIJ 4377
ZOMBIES AND HOMELAND SECURITY
FALL 2017
Credit Hours 3.0

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CLASS HOURS: MW 12:30-2pm
CLASSROOM: George Beto CJ Bldg-A190

TEXTBOOK(S): Five textbooks will be required for this class. All are available in Campus Bookstore and Electronically.

1. Doherty, Peter C. *Pandemics: What Everyone Needs to Know*. Oxford University Press, 2013. [Doherty]
2. Brooks, Max. *World War Z: An Oral History of the Zombie War*. Three Rivers Press, 2006. [Brooks]
3. Drezner, Daniel W. *Theories of International Politics and Zombies Revived Edition*. Princeton University Press, 2014. [Drezner]
4. Oliver, Willard, Nancy E. Marion, and Joshua B. Hill. *Introduction To Homeland Security: Policy, Organization, and Administration*. Jones and Bartlett Learning, 2015. [Oliver] (Book is on reserve in the library)
5. Preston, Richard. *The Hot Zone: A Terrifying True Story*. Random House LLC, 2012. [Preston]

Any additional reading will be made available through the course website in Blackboard and will be listed in the weekly readings. Instructor reserves the right to add additional readings via blackboard and email. Given the timeliness of the Ebola outbreak fresh articles will make the course more enjoyable and relevant.

COURSE DESCRIPTION: This course will utilize the threat of a Zombie pandemic as a conceit to introduce homeland security core concepts and practice. The course is inspired by the work of Max Brooks, Dan Drezner's *Theories of International Politics... and Zombies* and the use of zombies as a conceit to draw attention to preparedness, emergency management, and continuity of operations (COOP), by the Center for Disease Control (CDC), the Department of Homeland Security (DHS), and the Department of Defense (DOD) respectively. The course will assess the pandemic threat and its myriad forms. It will also assess the homeland security response at various levels of government including local, state, federal, tribal and internationally (World Health Organization (WHO)). Special attention will be paid to the current Ebola outbreak in Africa and its potential to spread through international air travel in addition to assessing historical pandemics such as the Spanish flu of 1918. The course will look at the types of terror networks that might engage in bio-terror by attempting to initiate a pandemic, how they are organized, and how to disrupt them through intelligence based counter-terror insurgency operations.

Disclaimer: Course may include graphic images and representations of the Undead and their ghastly deeds including but not limited to the anxiety inducing writings of Max Brooks and the

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viewing pleasure of short clips and trailers from “The Walking Dead” to illustrate homeland security concepts and the breakdown of human civilization our Homeland Security apparatus is meant to prevent and respond to.

LEARNING OUTCOMES:

Essential Goals

1. “Gaining factual knowledge (terminology, classifications, methods, trends).
2. “Learning to apply course material (to improve thinking, problem solving and decisions)” to activities in the homeland security field in particular public health sector critical infrastructures.
3. “Learning to analyze and critically evaluate ideas, arguments, and points of view” by participating in in-class discussions on course readings and lectures.

Important Goals:

1. “Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to” terror and pandemic responses by the homeland security apparatus.

COURSE REQUIREMENTS:

Midterm

The Midterm will consist of identifications of key terms, or multiple choice questions and essay based questions. Students should bring blue books and scan-trons for potential multiple-choice questions.

Participation

Students are expected to attend lecture and participate in discussion. Attendance may be taken. Students can miss one lecture without penalty. Students must clear any other absences ahead of time by contacting the professor with proper documentation, e.g. athletic events etc. or after with documentation of illness, etc. Quizzes will be announced in lectures and will be available until midnight on blackboard that day.

Response Papers

There will be a total of four response papers. **You are required to complete TWO.** Each response paper will respond to a prompt in two double spaced page. An APA reference page is required. The instructor strongly recommends the use of free Zotero citation management software. www.zotero.org

Response Paper One

Discuss the history of the current Zika “Pandemic” and its implications for “the bottom billion.” Compare and contrast the Zikavirus to the various zombie virus depictions in World War Z and Walking Dead. Are the risk mitigation techniques for a Zombie apocalypse appropriate for the current Zika outbreak? Why or why not? Describe and argue for the best public policy strategy and control techniques for the current Zika pandemic. Be sure use Drezner, Doherty, Lectures, and Hotez in your answer.

Response Paper Two

Briefly describe the history of Ebola as it pertains to pandemics. More importantly focus a majority of the response on how Ebola can be, or has been used as a method of bioterrorism. In the case of an Ebola outbreak how would we use NIMS (National Incident Management System, please incorporate all five components of NIMS) to combat the outbreak? Would it be used in the similar fashion as if a Zombie Apocalypse

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was to occur? We are not only looking for your opinion, but please support your claims with peer reviewed research. Be sure to cite the text from class of Brooks, Preston, and Doherty.

Response Paper Three

Will the government's desire in to limit civil liberties in its attempts to provide security help or hinder its ability to respond to a Zombie crisis? Be sure to address us government SIGINT after the Snowden revelations and state society relations in the wake of Ferguson and Dallas and how improved relations can result in improved intelligence gathering.

Response Paper Four

Choose a local piece of critical infrastructure and a localized zombie outbreak's impact on it. What risk mitigation strategies should be utilized? Are Zombies intelligent adversaries and what key resources do they target?

Be sure to use Drezner, Barabasi, and network theory in your answer.

Quizzes

Will be administered via blackboard.

Final Exam

The final will consist of identifications of key terms/multiple choice questions and essay based questions. Students should bring a blue or black pen and testing materials will be provided by instructor and TA.

GRADING:

Out of 1000 point scale:

Attendance:	50 points (5%)	
ONLINE Quizzes in Blackboard:		150 points (15%)
Response 1:	150 points (15%)	
Response 2:	150 points (15%)	
Midterm:	200 points (20%)	
Final:	300 points (30%)	

MAKE-UP EXAMS:

Any student that cannot take the midterm will need to provide the instructor with advance notice and a legitimate reason/documentation for the absence. In the event of illness the student will need to produce medical documentation for the missed exam so that a makeup exam can be scheduled.

ACADEMIC HONESTY POLICIES:

Students will be held to the highest standards of academic honesty. Students should review the academic honesty policies of Sam Houston State University available here http://www.shsu.edu/dept/academic-affairs/faculty-handbook/academic_dishonesty.html and should expect enforcement in accordance with the highest standards of those policies. The instructor reserves the right to check papers against turnitin.com a national anti-plagiarism database.

DISABILITIES:

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Any student seeking reasonable accommodation for a disability in accordance with federal, state, local law and policy of Sam Houston State University must contact Offices of Students with Disabilities located in the Counseling Center. <http://www.shsu.edu/dept/disability/>
After contacting this office students should feel free and comfortable contacting the instructor about any disability issue so that reasonable accommodations can be made.

ELECTRONIC DEVICE USE:

Please be aware of Academic Policy Statement 100728: <http://www.shsu.edu/dotAsset/6d35c9c9-e3e9-4695-a1a1-11951b88bc63.pdf>

During class, please keep your phone in your bag or pocket. It can become disruptive and disrespectful to those around you. If you are expecting an urgent call, please let the instructor know before class and he will accommodate. During Midterm and Final testing periods, electronic use will be prohibited.

Further university policies regarding academic dishonesty, student absences on religious holy days, disabilities, and visitors in the classroom which apply to this course may be found at <http://www.shsu.edu/syllabus/>

COURSE CALENDER:

	Topics	Readings and Due Dates
Week 1	Introduction	
	Introduction and Zotero Citation	
Wednesday August 23	Why Zombies and Homeland Security? The International Implications of Zombies	Drezner Pages 1-76
Week 2	Homeland Security and Pandemics	
Monday August 28	Homeland Security and Pandemics and Key Terms/concepts for Pandemics	Doherty Chapter 1 and 2; Brooks Introduction and Warnings
Wednesday August 30	What is a Virus? Historical Pandemics Spanish Flu 1918, H1N1	Doherty Chapters 3 and 4
Week 3		
Monday September 4	Labor Day No class	
Wednesday September 6	Redeker Plan and Cordone Sanitaire	World War Z Chapter "Warnings", and "The Great Panic"

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Week 4	Ebola	
Monday September 11	What is Ebola? Key terms and history Recent Ebola Outbreak in West Africa: Cordon Sanitaire	Brooks Chapter on Redeker Plan Brooks Chapter "turning the tide" Preston "Project Ebola" pp. 56-75, Ebola River 95-130
Wednesday September 13	Guest Lecture Adam Lee	Preston "The Most Dangerous Strain" pp 355-371 Part IV Kitum Cave pp 375-411. Instructor recommends you read the whole book. It's a great read. Use the glossary to study for midterm and final.
Week 5	Lead U.S. Agencies on Pandemics	
Monday September 18	Center for Disease Control	<u>Response Paper 1 due 2 pages Double Spaced Due</u> Oliver Chapters 2 and 5
Wednesday September 20	USAMRID/DHS/Public Health Sector	Preston "Shootout" pages 257-265
Week 6	World Health Organization	
Monday September 25	History of the WHO WHO Pandemic Responses	WHO PANDEMIC Preparedness http://www.who.int/influenza/preparedness/pandemic/GIP_PandemicInfluenzaRiskManagementInterimGuidance_Jun2013.pdf
Wednesday September 27		
Week 7		
Monday October 2	Midterm Review	Students will be tested on Key Terms and Concepts Related to Pandemics. Special Attention should be paid to Glossary of Hot-Zone and Key terms from Doherty
Wednesday October 4	MIDTERM	
Week 8	Bioterrorism	
Monday October 9	What is Terrorism?	Oliver Chapter 3
Wednesday October 11	Bio Terrorism	Oliver Chapter 7, Doherty Chapter 11 (paper Topic proposal Due in Class)
Week 9	National Incident Management System	
Monday October 16	The National Incident Management System	Oliver Chapter 11

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Wednesday October 18	The NIMS Response to the Zombie Pandemic	
Week 10	Homeland Security	
Monday October 23	Zombies and other threats	<u>Response Paper 2 due 2 pages Double Spaced Due</u> Oliver Chapter 9
Wednesday October 25	Homeland Security Cycle and Zombies	Oliver Chapter 10
Week 11	Zombies and Borders	
Monday October 30	Illicit networks inadvertently spreading zombie pandemic	Pass out Paper Prompt for Paper 2: Oliver Chapter 15, World War Z pp. 12-18
Wednesday November 1	Network Theory and critical Infrastructure Protection	BARABÁSI, ALBERT-LÁSZLÓ, and Eric Bonabeau. "Scale-Free." <i>Scientific American</i> , 2003. http://eaton.math.rpi.edu/csums/papers/FoodWebs/barabasisciam.pdf
Week 12		
Monday November 6	Why Zombies and Homeland Security? The International Implications of Zombies	Drezner Pages 1-76
Wednesday November 8	Zombies and IR Continued	
Week 13		
Monday November 13	Zombies and Political Economy: Capitalism, Socialism and other figments of your teenage imagination.	Brooks "Home Front USA" pp. 137-146, Oliver Chapter 13
Wednesday November 15		<u>Response Paper 3 due 2 pages Double Spaced Due</u>
Week 14		
Monday November 20	Thanksgiving No Class	

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Wednesday November 22nd	Thanksgiving	
Week 15		
Monday November 27	Homeland Security and Civil Liberties	<u>Response Paper 4 due 2 pages Double Spaced</u> <u>Due</u> <u>Readings TBD</u>
Wednesday November 29	Civil Liberties Continued	Readings TBD
Monday December 4	The Future of Homeland Security... and Zombies!	Readings TBD
Wednesday December 6	FINAL REVIEW	

Final Monday December 4, 1-3pm A 190

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