BIOD-620-001:
Global Health Security Policy

Fall 2019
Wednesdays: 4:30pm-7:10pm
3.0 Credits

School of Policy, Government, and International Affairs
George Mason University
Arlington Campus, Room: XX

Professor Ashley Grant
Tel: (202)-XXX-XXX
Email: agrant21@gmu.edu
Office Hours: By Request

Course Description:
The purpose of this course is to introduce students to the concepts, history, policy, and practice of health security. Because this is a relatively new area of study, we will explore the origins of health security concepts and examine social science and scientific frameworks for health security. This course will also explore the role of diverse U.S. government agencies and international organizations in setting and implementing priorities for international health security and provides an opportunity for students to gain experience in developing and practicing interagency collaboration strategies. Through analysis of recent global health security case studies and discussions with global health leaders, the class will learn to extend academic frameworks to actionable policy recommendations. Our goal is to gain a strong understanding of the scientific and social scientific paradigms of health security and to gain experience in developing program and policy recommendations for sustainable health security systems. The course is designed to provide students with a broad understanding of health security and its importance for global public health as well as direct experience in the benefits and challenges of interagency collaboration.

Required Readings:
Required readings will be uploaded on Blackboard. Please refer to syllabus for reading required for each session.

Course Objectives:
1. Understanding of the history of health security and the key documents, frameworks and agreements underpinning national and global health security.
2. Familiarity with the intellectual foundations of health security as an emerging field that lies at the nexus of security and global/public health studies.
4. Familiarity with the International Health Regulations, the Global Health Security Agenda, and key national and international documents for health security.
5. Understand the policy and implementation objectives for major health security stakeholders, including U.S. agencies, United Nations International Organizations, and the private sector.
6. Ability to apply scientific knowledge and social scientific theories of security studies as frameworks for understanding historical and contemporary cases.
7. Ability to write a policy document that demonstrates national and global priorities for health and security.

Format and Procedures

Methods of Instruction
This course will employ multiple formats including lectures, case studies, guest lectures, and class discussions and tabletop exercises. All required reading should be completed prior to class. The goal is to encourage discussion and interaction. Attendance at all classes is required. Participation will be evaluated in terms of contributions to class discussion.

Assignments

Homework Assignments:
There will be three homework assignments throughout the semester. These homework assignments will provide an opportunity for you to create memos that are used in the health security field. These assignments will include a white paper, talking points, and course of actions memo.

Mid-term:
The mid-term writing assignment will be based on a tabletop exercise that will be conducted during class. Each group will be assigned to represent a different government. The groups will be required to draft a strategy for investments in to improve health security. Students will be required to give an oral presentation in addition to the written document.

Final Term Paper:
Each student will develop an original idea (thesis, and outline) relating to sustainment of global health security assistance and develop the idea for a final term paper of 10-15 pages. We will discuss the term paper and topics during September. Students will be required to present their work to the class.

Writing assignments should be uploaded to Blackboard as a pdf file. The deadline is by the start of class (X PM) the day the assignment is due. The file should be labeled as Your Last Name_Your First Name_Name of Assignment. Papers should be double-spaced with 12-point font, 1-inch margins, numbered pages, and use APA style citations.

Grading

Your final grade will be calculated as follows:
- Class Participation: 10%
- Midterm: 30%
- Homework Assignments: 30%
- Final Term Paper and Presentation: 30%

The deadlines for all written assignments are strict and extensions will not be permitted in the absence of a genuine emergency or documented illness. Unless a student has a documented emergency or illness, late assignments will not be accepted and will result in a grade of zero. No exceptions.
University Policies & Information

Academic Integrity
Students must be responsible for their own work, and students and faculty must take on the responsibility of dealing explicitly with violations. The tenet must be a foundation of our university culture. [See http://academicintegrity.gmu.edu/distance].

Honor Code
Students must adhere to the guidelines of the George Mason University Honor Code [See http://oai.gmu.edu/the-mason-honor-code-2/].

Student members of the George Mason University community pledge not to cheat, plagiarize, steal, or lie in matters related to academic work.

MasonLive/Email
Students are responsible for the content of university communications sent to their George Mason University email account and are required to activate their account and check it regularly. All communication from the university, college, school, and program will be sent to students solely through their Mason email account. [See https://masonlivelogin.gmu.edu].

Patriot Pass
Once you sign up for your Patriot Pass, your passwords will be synchronized, and you will use your Patriot Pass username and password to log in to the following systems: Blackboard, University Libraries, MasonLive, myMason, Patriot Web, Virtual Computing Lab, and WEMS. [See https://password.gmu.edu].

Responsible Use of Computing
Students must follow the university policy for Responsible Use of Computing. [See http://universitypolicy.gmu.edu/university-policies/computing/].

Students with Disabilities
Students with disabilities who seek accommodations in a course must be registered with the George Mason University Office of Disability Services (ODS) and inform their instructor, in writing, at the beginning of the semester [See http://ods.gmu.edu].

University Libraries
University Libraries provides resources for distance students. [See http://library.gmu.edu/distance].

Writing Center
The George Mason University Writing Center staff provides a variety of resources and services (e.g., tutoring, workshops, writing guides, handbooks) intended to support students as they work to construct and share knowledge through writing. [See http://writingcenter.gmu.edu]. You can now sign up for an Online Writing Lab (OWL) session just like you sign up for a face-to-face session in the Writing Center, which means YOU set the date and time of the appointment! Learn more about the Online Writing Lab (OWL).

Counseling and Psychological Services
The George Mason University Counseling and Psychological Services (CAPS) staff consists of professional
counseling and clinical psychologists, social workers, and counselors who offer a wide range of services (e.g., individual and group counseling, workshops and outreach programs) to enhance students' personal experience and academic performance [See http://caps.gmu.edu].

**Family Educational Rights and Privacy Act (FERPA)**
The Family Educational Rights and Privacy Act of 1974 (FERPA), also known as the "Buckley Amendment," is a federal law that gives protection to student educational records and provides students with certain rights. [See http://registrar.gmu.edu/privacy].

**Other Considerations**
If there are any issues related to religious holidays, please inform the instructor the first week of class. [See http://ulife.gmu.edu/calendar/religious-holiday-calendar/]

### SYLLABUS

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<tr>
<th>Session 1: Introduction to Health and Security</th>
<th>August 28, 2019</th>
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<tbody>
<tr>
<td><strong>Required Reading:</strong></td>
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<tr>
<td>• United States Global Health Security Strategy</td>
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<td>• National Health Security Strategy</td>
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<th>Session 2: Biological Threats</th>
<th>September 4, 2019</th>
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<tr>
<td><strong>Required Reading:</strong></td>
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<tr>
<td>• Watch Video: Centers for Disease Control, History of Bioterrorism: <a href="https://ftp.cdc.gov/pub/epr/historyofbt/">https://ftp.cdc.gov/pub/epr/historyofbt/</a></td>
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<tr>
<td>• Gulati, D. and Voss, M., Health and Security: Why the Containment of Infectious Disease Alone is Not Enough, SWP Comments, No. 32, 2019</td>
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<tr>
<th>Session 3: International Health Regulations and Checklist Exercise</th>
<th>September 11, 2019</th>
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<tr>
<td><strong>Required Readings:</strong></td>
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<tr>
<td>• WHO International Health Regulations</td>
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<th>Session 4: Global Health Security Agenda (Guest Lecture)</th>
<th>September 18, 2019</th>
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<tr>
<td><strong>Required Readings:</strong></td>
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<tr>
<td>• Global Health Security Agenda Documents (Blackboard)</td>
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<td>• United States Health Security National Action Plan</td>
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<td>• Implementing the Global Health Security Agenda: Progress and Impact from U.S. Government Investments, February 2018</td>
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<td>White Paper Assignment Due</td>
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<th>Session 5: Evaluations Exercise (Reading Assigned by Email)</th>
<th>September 25, 2019</th>
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<td><strong>Required Readings:</strong></td>
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<td>• Biosafety in Microbiological and Biomedical Laboratories (BMBL) – Section (Blackboard)</td>
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<th>Session 6: Health Security Research</th>
<th>October 2, 2019</th>
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<td><strong>Required Readings:</strong></td>
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<td>• Biosafety in Microbiological and Biomedical Laboratories (BMBL) – Section (Blackboard)</td>
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- Information on Dual Research of Concern: [https://www.youtube.com/watch?v=0yS1ur24j40](https://www.youtube.com/watch?v=0yS1ur24j40)

**Session 7: Health Security Preparedness**  
**Required Readings:**  
- Public Health Emergency Medical Countermeasures Enterprise (PHEMCE) Strategy and Implementation Plan  
  
**Session 8: Midterm Exercise**  
**Exercise-Midterm Presentations**  
**Talking Points Assignment Due**

**Session 9: Health Security Deterrence**  
**Required Readings:**  
- Global Surveillance for Emerging Infectious Diseases  
- National Strategy for Biosurveillance (2012)  

**Session 10: Health Security Response and Response Exercise**  
**Required Readings:**  
- National Authorities Overview (Blackboard)  
- Emergency Operations Center Information  

**Session 11: Next Generation Panel (Health Security Careers)**  
**Panel Biographies (TBD)**  
**Courses of Action Memo Assignment Due**

**Session 12: One Health/Zoonotic Disease Detection**  
**Required Readings:**  
- WHO OIE Operational Framework  
- Gronvall et al, One Health Security, An Important Component of the Global Health Security Agenda

**Session 13: Final Presentation Part 1**

**Session 14: Thanksgiving – NO CLASS**

**Session 15: Final Presentations Part 2**  
**December 4, 2019**

**Section 16: Final Paper Due**  
**December 11, 2019**