



EXTENDED CAMPUS

COLLEGE of PROFESSIONAL
and CONTINUING STUDIES

CAS 5970-491: Special Topics/Seminar: Biosecurity and Emerging Pathogens

Course Description and Objectives:

This class will provide students with skills for understanding and assessing the security dimensions of global health trends. Students will gain a basic understanding of how new diseases evolve in nature; how human hosts respond to novel pathogens, and why some emerging diseases pose greater global health and security threats than others. The class will also facilitate interdisciplinary learning across microbiology, anthropology, international relations, and public health. Integrating material from these diverse fields provides unique insight into the essential role of the military and security services in pandemic planning scenarios.

Course Dates:

November 9 – 30, 2020

Last day to enroll or drop without penalty: October 11, 2020

Site Director:

This is a three-credit hour online course. Please see your local Site Director or email our online site coordinator at aponline@ou.edu

Professor Contact Information:

Course Professor:	Dr. Tassie Hirschfeld,
Mailing Address:	Dept. of Anthropology University of Oklahoma
Telephone Number:	(405) 642-7059
Email Address:	tkhirschfeld@ou.edu
Professor availability:	The professor will be available via e-mail and Zoom to students before and after the official start date. Zoom office hours will be held by appointment. Students are encouraged to communicate regularly with the professor.

Textbook(s) and Instructional Materials:

Student materials are available at the OU Bookstore Website at <https://ou.textbookx.com/institutional/index.php>. There is no longer a physical bookstore, the store will remain, but textbooks will not be stocked. The website has book selling, renting, buying, returning, and order tracking capabilities. If you need help with an order, or if you have any questions contact the toll-free phone at 1-(855)-790-6637, agents are available from 9a – 5p (EST) Monday – Friday. For more information or questions about textbooks, feel free to contact apsyllabi@ou.edu. Text prices are available online

1. James Mohr 2004 *Plague and Fire: Battling Black Death and the 1900 Burning of Honolulu's Chinatown*. Oxford University Press
2. *Preparing for Pandemics in the Modern World 2020* edited by Christine Crudo Blackburn. Free Ebook from Texas A and M University Press. Download available here: <https://www.tamupress.com/pandemics-ebook/>

Recommended Books (Not required)

1. Molly Caldwell Crosby 2006 *The American Plague: The Untold Story of Yellow Fever*. New York: Berkeley Publishing Group
2. Steven Johnson 2007 *The Ghost Map*.
3. Kyle Harper 2019 *The Fall of Rome: Climate, Disease and the End of Empire*. Princeton: Princeton University Press.
4. Warren Andiman 2018 *Animal Viruses and Human Viruses: A Narrow Divide*. Philadelphia: Paul Dry Books.
5. Ed Yong 2017 *I Contain Multitudes*.
6. David Quammen 2013 *Spillover*. Norton.

Supplemental Materials (Prof. may change or edit)

Materials posted on the OU Canvas learning management system: Access Canvas at <https://canvas.ou.edu>, enter your OU NetID and password, and select course to access material. If you require assistance with Canvas, please click on the Help icon. You can search the Canvas guides, chat with Canvas support, or contact OU IT

1. Clark, Dennis and DeGeest, Theresa (2004) "Globalization and Biosecurity," In, *Ecological Security*, Dennis Clark Pirages and Theresa Manly DeGeest, eds. New York: Rowan and Littlefield, pp. 139-165.
2. Murry, CJ et al 2002. Armed Conflict as a Public Health Problem. *British Medical Journal*, 324:346-349.
3. McInnis, Colin and Lee, Kelley 2006 Health, Security and Foreign Policy. *Review of International Studies*, 32:5-23.
4. Robbins, Jim. The Ecology of Disease. *New York Times*. July 14 2012.
5. Kosal, Margaret 2014 A New Role for Public Health in Bioterrorism Deterrence. *Frontiers in Public Health*, 2: 1-4.
6. Katona, Peter, Sullivan John and Intriligator, Michael (2010) Global Biosecurity and the Spectrum of Infectious Disease Threats: A Networked Global Approach. In, *Global Biosecurity: Threats and Responses*, Peter Katona, John Sullivan and Michael Intriligator, eds. London: Routledge Press, pp. 5-11.
7. Katona, Peter and Scheld, Michael (2010). Emerging and Re-Emerging Infectious Diseases. In, *Global Biosecurity: Threats and Responses*, Peter Katona, John Sullivan and Michael Intriligator, eds. London: Routledge Press, pp. 13-24.
8. Coyle, Philip (2010). Biowarfare and Bioterrorism: How do they differ from other WMD threats? In, *Global Biosecurity: Threats and Responses*, Peter Katona, John Sullivan and Michael Intriligator, eds. London: Routledge Press, pp. 25-40.
9. Hirschfeld, Katherine 2017 Failing States as Epidemiological Risk Zones: Implications for Global Health Security.

OU Email:

All official correspondence from instructors will be sent only to students' ou.edu address.

Online Orientation:

The College of Arts and Sciences offers an online orientation for students who are enrolled in online or blended courses. The purpose of the orientation is to ensure that students are well prepared both technically and practically to take online courses. The orientation can be found on their website at: <http://www.ou.edu/content/cas/online/student-online-orientation.html>

The College of Arts and Sciences Online and Academic Technology Services office is here to assist you with any questions, problems, or concerns you may have. For assistance visit their website at <http://www.ou.edu/content/cas/online/student-information.html> or contact them by telephone at: (405) 325-5854 or email: casonline@ou.edu

Course Outline:

Module	Content	Assignments	Due Dates	Percentage of grade
MODULE 1: Pre-Class Module	Supplemental lectures and readings	Pre-class questionnaire Pre-class reading response written for either <i>Plague and Fire</i> or one of the books on the recommended reading list	Pre class questionnaire and reading response due by November 9th.	Pre class assignments: questionnaire: 5% reading response: 10%
MODULE 2: Core Concepts	Introduction to the class; fundamentals of health and disease Health and disease in prehistory and history Public health and demographic transition	Online discussions Midterm essay Research paper topic selection	Midterm essay due by November 23rd Research paper topic selection due November 18th	Midterm essay: 20% Discussion participation 20% Research paper topic selection: 5%
MODULE 3: Emerging Pathogens and Contemporary Health Risks	Biological weapons and bioterrorism Lab risks synthetic biology	Online discussions Research paper abstract and preliminary bibliography	Research paper abstract and bibliography due November 25th	Research paper abstract and bibliography: 10%
MODULE 4: post class module	NA	Final research paper	Final paper due December 30th 2020	Final paper: 30%

Assignments, Grading, and Due Dates:**Pre-Class Assignments**

There will be two pre-class assignments: completion of a short (4-5 page) reading response paper and a short pre-class questionnaire. The paper will be a reading response for either *Plague and Fire* OR one of the books on the “recommended” list (your choice). The questionnaire will consist of 10-15 short questions designed to assess students’ baseline knowledge of infectious disease and epidemiology prior to the beginning of class. This questionnaire will not be graded—the points will be awarded for successful completion of the assignment.

An assignment sheet and grading rubric for the paper will be posted on Canvas.

Due Date

Both pre-class assignments are to be completed by November 9th and turned in on Canvas.

In Class Assignments

Discussion Participation

Students will participate in five discussion boards. Discussion posts should be thoughtful, informed responses to the discussion questions. In addition to generating posts, students should also respond to other posts. All discussions will be moderated by the instructor.

Midterm Essay

The midterm essay will be a 4-5-page response to an essay question posted on Canvas. The essay will be open book and open notes. Students will be encouraged to synthesize material from different readings and other class materials. An assignment sheet with grading rubric will be posted on Canvas.

Research Paper Topic Selection

Students are encouraged to select research paper topics in consultation with the instructor.

Research Paper Abstract and Bibliography

The research paper abstract should be a short, concise 1-2 paragraph statement summarizing the proposed research and its relevance to the class. The abstract should include a preliminary bibliography with short annotations for each source.

Final Paper

The final paper should be a 15-20-page analysis of a contemporary or historic topic relevant to the issue of biosecurity and infectious disease. The approach can be epidemiological, historical, or focused on health security. A specific assignment sheet with grading rubric will be posted on Canvas.

Citations and Academic Integrity

In your written work, make sure you cite all sources appropriately in the anthropological citation style (author, date), with a bibliography at the end in your essay. Failure to do so may be regarded as plagiarism, and you may fail the assignment as a result. Academic misconduct on course work may result in a failing grade for this class. It is the responsibility of each student to be familiar with the definitions, policies, and procedures concerning academic misconduct. The Academic Misconduct Code is printed with the Student code and is available on the web at <http://www.ou.edu/provost>

Grading:

This is a letter-graded course: A, B, C, D, or F.

Notice: Failure to meet assignment due dates could result in a grade of I (Incomplete) and may adversely impact Tuition Assistance and/or Financial Aid.

Policy for Late Work:

Please contact the professor regarding his/her policy for late work

Attendance Policy:

In addition to interaction via Canvas and email contact, students are required to contact the instructor via email or telephone **before** the beginning of the course term for an initial briefing. Although physical class meetings are not part of this course, participation in all interactive, learning activities is required.

Student assignments and student/instructor communications will be conducted via Canvas, although students may contact the instructor via telephone, postal mail, email, or fax as needed

Incomplete Grade Policy:

A grade of "I" is not automatically assigned, but rather must be requested by the student by submitting to the instructor a "Petition for and Work to Remove an Incompleted Grade" form. An "I" can never be used in lieu of an "F" nor can an "I" be assigned because of excessive failure to participate in class activities.

Technical Support Information:

If you experience technical problems, contact Information Technology by visiting their website at: <http://webapps.ou.edu/it/> or contacting them by telephone at: (405) 325-HELP (4357).

POLICIES AND NOTICES

Attendance/Grade Policy

Note: Attendance/absences do not apply to online courses. However, participation in all course activities is extremely important to student success in online courses.

Excused absences are given for professor mandated activities or legally required activities such as emergencies or military assignments. It is the policy of the University to excuse absences of students that result from religious observances and to provide without penalty for the rescheduling of examinations and additional required class work that may fall on religious holidays. Unavoidable personal emergencies, including (but not limited to) serious illness; delays in getting to class because of accidents, etc.; deaths and funerals, and hazardous road conditions will be excused.

If you are obtaining financial assistance (TA, STAP, FA, VA, Scholarship, etc.) to pay all or part of your tuition cost, you must follow your funding agency/institution's policy regarding "I" (Incomplete) grades unless the timeline is longer than what the University policy allows then you must adhere to the University policy. Students who receive Financial Aid must resolve/complete any "I" (Incomplete) grades by the end of the term or he/she may be placed on "financial aid probation." If the "I" grade is not resolved/completed by the end of the following term, the student's Financial Aid may be suspended making the student ineligible for further Financial Aid.

Students are responsible for meeting the guidelines of Tuition Assistance and Veterans Assistance. See the education counselor at your local education center for a complete description of your TA or VA requirements.

Academic Integrity and Student Conduct

Academic integrity means honesty and responsibility in scholarship. Academic assignments exist to help students learn; grades exist to show how fully this goal is attained. Therefore, all work and all grades should result from the student's own understanding and effort.

Academic misconduct is any act which improperly affects the evaluation of a student's academic performance or achievement. Misconduct occurs when the student either knows or reasonably should know that the act constitutes misconduct. Academic misconduct includes: cheating and using unauthorized materials on examinations and other assignments; improper collaboration, submitting the same assignment for different classes (self-plagiarism); fabrication, forgery, alteration of documents, lying, etc....in order to obtain an academic advantage; assisting others in academic misconduct; attempting to commit academic misconduct; destruction of property, hacking, etc....; intimidation and interference with integrity process; and plagiarism. All students should review the Student's Guide to Academic Integrity at http://integrity.ou.edu/students_guide.html

Students and faculty each have responsibility for maintaining an appropriate learning environment. All students should review policies regarding student conduct at <http://studentconduct.ou.edu/>

Accommodation Statement

The University of Oklahoma is committed to making its activities as accessible as possible. For accommodations on the basis of disability, please contact your local OU Site Director.

Adjustment for Pregnancy/Childbirth-Related Issues

Should you need modifications or adjustments to your course requirements because of documented pregnancy-related or childbirth-related issues, please contact me as soon as possible to discuss. Generally, modifications will be made where medically necessary and similar in scope to accommodations based on temporary disability. Please see <http://www.ou.edu/content/eoo/faqs/pregnancy-faqs.html>.

Title IX Resources

For any concerns regarding gender-based discrimination, sexual harassment, sexual misconduct, stalking, or intimate partner violence, the University offers a variety of resources, including advocates on-call 24/7, counseling services, mutual no-contact orders, scheduling adjustments, and disciplinary sanctions against the perpetrator. Please contact the Sexual Misconduct Office at smo@ou.edu or (405) 325-2215 (8-5), or the Sexual Assault Response Team at (405) 615 -0013 (24/7) to report an incident. To learn more about Title IX, please visit the Institutional Equity Office's website at <http://www.ou.edu/content/eoo.html>

Course Policies

Advanced Programs policy is to order books in paperback if available. Courses, dates, and professors are subject to change. Please check with your OU Site Director. Students should retain a copy of any assignments that are mailed to the professor for the course.

Any and all course materials, syllabus, lessons, lectures, etc. are the property of professor teaching the course and the Board of Regents of the University of Oklahoma and are protected under applicable copyright.

For more information about Advanced Programs, visit our website at: <http://www.goou.ou.edu/>

INSTRUCTOR VITA

Dr. Tassie Katherine Hirschfeld

Education

PhD Anthropology Emory University 2001

Current Positions

- Advanced Programs Professor since 2014
- Associate Professor and Chair Department of Anthropology University of Oklahoma
- Chair-Elect University of Oklahoma Faculty Senate
- Board Secretary American Orthopsychiatric Association

Frequently Taught Advanced Programs Courses

CAS 5970 Biosecurity and Emerging Pathogens

Major Areas of Teaching and Research Interest

- Medical Anthropology
- Disease ecology
- Post-socialism
- Public health

Representative Publications and Presentations

Books

- (Forthcoming 2015) *Gangster-States: Organized Crime, Kleptocracy, Collapse*. Palgrave MacMillan
- 2007 *Health, Politics and Revolution in Cuba since 1898*. Transaction Press.

Representative Honors and Awards Received

Marjorie Shostak Award for Ethnographic Writing, Emory University

Major Professional Affiliations

- American Anthropological Association
- Association for the Study of the Cuban Economy
- American Orthopsychiatric Association (Board Secretary)