

Environmental Capstone Colloquium: *Pandemics and the Environment*

Law 6930 (Section 0443) – 1 Credit

Professor Amy L. Stein

Fall 2020 (Tuesdays, 2:40-4:30 pm, unless otherwise noted)

Class 1: Pandemics, Zoonotics, and Climate

Guest Expert: Dr. Sadie Ryan
Associate Professor, Medical Geography
University of Florida

Mandatory Class 1 Readings/Watchlist:

- If you have access to Netflix, Watch:
Netflix, “*Explained*” *The Next Pandemic* (TV Episode 2019) – IMDb (20:56) **OR**
If you do not have access to Netflix, WATCH:
Sigal Samuel, *Our environmental practices make pandemics like the coronavirus more likely*, <https://www.vox.com/future-perfect/2020/3/31/21199917/coronavirus-covid-19-animals-pandemic-environment-climate-biodiversity>
 - “How Humans are Making the Pandemic More Likely” (6:37)
- Elizabeth Kolbert, *Pandemics and the Shape of Human History*, The New Yorker (April 6, 2020), https://www.newyorker.com/magazine/2020/04/06/pandemics-and-the-shape-of-human-history?source=search_google_dsa_paid&gclid=Cj0KCQjwpZT5BRCdARIsAGEX0zn0J4xbUX22QsDeVbEWv0CIklj5jub8Ck5l68-I156MBysbKUIIg9oaAoEBEALw_wcB
- UNEP, UNEP Frontiers 2016 Report: Emerging Issues of Environmental Concern (2016), **READ pp. 18-27, SKIM rest**
- Humane Society of the United States v. USDA (C.D. Ca.)(filed April 8, 2020), **READ pp. 1-4; 13-20; SKIM rest**
- Animal Legal Defense Fund, *COVID-19 and Animals* (June 2020), **READ pp. 19-26**
- World Health Organization, *Preventing Disease Through Healthy Environments* (2016), **READ Executive Summary, SKIM rest**
- Elic Weitzel, *Are Pandemics Good for the Environment?*, (May 2020), <https://www.sapiens.org/archaeology/covid-19-environment/>
- Sigal Samuel, *Our environmental practices make pandemics like the coronavirus more likely*, <https://www.vox.com/future-perfect/2020/3/31/21199917/coronavirus-covid-19-animals-pandemic-environment-climate-biodiversity>
 - Scroll down to **WATCH** “How Wildlife Trade Links Coronavirus” (8:49)
- CRS, *Wildlife Trade, COVID-19, and Other Zoonotic Diseases* (April 6, 2020), <https://crsreports.congress.gov/product/pdf/IF/IF11494>
- Nature, Joacim Rocklöv & Robert Dubrow, *Climate change: an enduring challenge for vector-borne disease prevention and control* (April 20, 2020), <https://www.nature.com/articles/s41590-020-0648-y>
- Climatesnexus, *Climate Risk and Spread of Vector-Borne Diseases*, <https://climatesnexus.org/climate-issues/health/climate-change-and-vector-borne-diseases/>

Class 1 Assignments:

- Submit critical reflection on the readings DUE BY MONDAY, AUGUST 24 at 5pm
- Make sure to include 1 discussion question for our class and 1 question for Dr. Ryan, whose specialty is in climate and vector-borne diseases (i.e., explained in the last two readings) per the syllabus

Optional Resources:

- How Pandemics Change History, https://www.newyorker.com/news/q-and-a/how-pandemics-change-history?utm_campaign=falcon&utm_social_type=owned&mbid=social_twitter&utm_medium=social&utm_source=twitter&utm_brand=tny
- Sadie J. Ryan, et al., *Global expansion and redistribution of Aedes-borne virus transmission risk with climate change in Neglected Tropical Diseases* (2019), <https://journals.plos.org/plosntds/article/file?id=10.1371/journal.pntd.0007213&type=printable>
- Nita Madhav, et al., *Pandemics: Risks, Impacts, and Mitigation in Disease Control Priorities: Improving Health and Reducing Poverty*. 3rd edition, <https://www.ncbi.nlm.nih.gov/books/NBK525302/>
- *Pandemics and the Environment: Why We Must be Cautious*, https://medium.com/@epp_apu/pandemics-and-the-environment-why-must-we-be-cautious-9609fb82b013
- Climate Vector, <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4342958/>
- Eco-epidemiology, <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4198313/>
- A. Estrade-Pena, Effects of environmental change on zoonotic disease risk: an ecological primer (2014), <https://pubmed.ncbi.nlm.nih.gov/24636356/>