Pandemic Forum Syllabus

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Citation


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Honors College Forum (HNRC 300VH)

PANDEMIC

May 2020 Intersession (open to honors students and community members).
Classes posted to the Honors College WWW as well.
May 11-22 (sans Sunday) Videos Posted Each Day
Instructors:
- John Cairns (Health Economics, London School of Hygiene & Tropical Medicine)
- Lynda Coon (Medieval History and Religion)
- David Dobrzykowski (Supply Chain Management)
- Di Fang (Economics/Agricultural Business)
- Kristian Forbes (Biological Sciences)
- Brian Fugate (Supply Chain Management)
- Chaim Goodman-Strauss (Mathematical Sciences)
- Kelly Hammond (History of Modern East Asia)
- Remko van Hoek (Supply Chain Management)
- Asa Hutchinson (Governor of Arkansas)
- Lynn Jacobs (Medieval Art History)
- John Kent (Supply Chain Management)
- Mary Lacity (Supply Chain Management)
- James Newton, M.D. (Infectious Diseases, Washington Regional Medical Center)
- Jennie Popp (Economics/Agricultural Business)
- Brian Primack, M.D. (Public Health/Medicine/Social Media)
- Laura Rothfeldt, D.V.M. (Arkansas Public Health Veterinarian)
- Trish Starks (History of Medicine)
- Daniel Sui (Geography/GIScience)
- Lauren Thomas (Animal Science)
- Mark Thomas, M.D. (Population Health, Washington Regional Medical Center)
- Rod Thomas (Supply Chain Management)
- Matt Waller (Supply Chain Management)
- Brent Williams (Supply Chain Management)

Forum Description:
This forum tackles the recent global outbreak of the COVID-19 Coronavirus. University of Arkansas faculty, doctors from Washington Regional Medical Center and Arkansas state leaders confront the virus from a variety of angles —medical sciences, supply chain, public health, social media, mathematics, economics, history, religion, art, and environmental studies. In so doing, the forum’s instructors situate COVID-19 within a broader narrative of the history of pandemics as well as the multivalent factors contributing to virulent flu eruptions across an international stage. (If any of the readings can not be access through the link provided, or a link is not provided, please request the reading through interlibrary loan.)

Schedule:
Monday, May 11  
Forum #1: **Corona Virus**  
Instructors: Newton and Thomas

Readings:
Tuesday, May 12  Forum #2: Chinese Reactions and Responses to the COVID-19 Crisis  
Instructor: Hammond

Readings:
- https://supchina.com/2020/03/25/stargazing-before-the-apocalypse/

Wednesday May 13  Forum #3: Mathematical Modeling and Geospatial Mapping  
Instructor: Goodman-Straus and Sui

Readings:
Mathematics:
- https://www.youtube.com/watch?v=Kas0tIxDvrg
- https://www.youtube.com/watch?v=gxAaO2rsdls
- https://strauss.hosted.uark.edu/pandemic.html

GIS:
- www.esri.com/covid-19

Thursday, May 14  Forum #4: Human-Animal Transmission  
Instructor: Laura Rothfeldt and Lauren Thomas

Readings:

Recommended WWW sites:
- https://www.ecohealthalliance.org/
- http://www.globalviromeproject.org/

Friday, May 15  Forum #5: Quarantine and Plague  
Instructor: Starks

Readings:
BOOKS:
- William H. McNeill, Plagues and Peoples
- Jack Hartnell, Medieval Bodies: Life, Death, and Art in the Middle Ages
- Sandra Hempell, The Strange Case of the Broad Street Pump: john Snow and the Mystery of Cholera
- John M. Barry, *The Great Influenza: The Story of the Deadliest Pandemic in History*
- Catharine Arnold, *Pandemic 1918: Eyewitness Accounts from the Greatest Medical Holocaust in Modern History*
- Judith Walzer Leavitt, *Typhoid Mary: Captive to the Public’s Health*

**ARTICLES:**
- The History of Quarantine: [https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3559034/](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3559034/)
- Influenza in Arkansas: [https://encyclopediaofarkansas.net/entries/flu-epidemic-of-1918-2229/](https://encyclopediaofarkansas.net/entries/flu-epidemic-of-1918-2229/)

**Saturday, May 16**

Forum #6: **Spillover of Wildlife Pathogens with an Emphasis on Coronaviruses and Ebolaviruses**

Instructor: Kristian Forbes

**Readings:**
- [https://www.nature.com/articles/s41591-020-0820-9](https://www.nature.com/articles/s41591-020-0820-9)

**Monday, May 18**

Forum #7: **Thinking in Terms of Public Health: How Many Will Die?**

Instructor: Primack

**Readings:**
- [https://www.nytimes.com/2020/03/30/opinion/coronavirus-testing.html](https://www.nytimes.com/2020/03/30/opinion/coronavirus-testing.html)
- [https://coronavirus.jhu.edu/data/mortality](https://coronavirus.jhu.edu/data/mortality)
Tuesday, May 19  Forum #8: Medieval Apocalypse
Instructors: Coon and Jacobs

Readings:
Primary Sources:

Art History Articles:

Wednesday, May 20  Forum #9: Economic Impact
Instructors: Popp, Cairns, and Di Fang

Readings:
  o Employment Situation Summary
    https://www.bls.gov/news.release/empsit.nr0.htm
  o Ruminations on Solutions to the COVID-Related Food Disruptions
    http://jaysonlusk.com/
  o Report 9: Impact of non-pharmaceutical interventions (NPIs) to reduce COVID-19 mortality and healthcare demand

Thursday, May 21  Forum #10: Supply Chain
Instructor: Rod Thomas, John Kent, David Dobrzykowski, Remko van Hoek, Mary Lacity, Brian Fugate, Brent Williams, Matt Waller

Readings:
  o What is Supply Chain Management? Rod Thomas
  o Temporary Supply Chain: How a Global Group of Volunteers Rallied to Address the PPE Shortage for Hospitals in the United States John Kent
o **COVID-19’s Unique Impact on Healthcare Supply Chains**  David Dobrzykowski
o **How the Pandemic Is Pushing Blockchain Forward**  Remko van Hoek and Mary Lacity
o **The Bullwhip Effect and COVID**  Brian Fugate
o **Using Agile to Lead and Manage During the Pandemic**  Brent Williams
o **Being Mindful of the How and What of Leadership through COVID-19**  Matt Waller

Friday, May 22    Forum #11: **Arkansas State Government’s Response to Covid-19**
                   **Instructors:** Governor Asa Hutchinson

**Assignment:**
 o Watch Governor Hutchinson’s press briefings on Covid-19 in Arkansas.

**Final Paper due by 5 p.m. on Saturday, May 23.**