**Course Materials**

Google drive package:<https://drive.google.com/drive/folders/1jZEwubVogJhD3ffxCciH9y20tdFyN2OC?usp=sharing>

Teaching slides:<https://docs.google.com/presentation/d/1RGtEY2m-MUngGgw11RTZVMRFsAfnUwnCdBIEKaAzrkE/edit?usp=sharing>

# Day 1 materials:

1. KWL Chart: <https://docs.google.com/document/d/1QU2Pb8mNKU8x8spRGBUJu6YmnIf__LDrGVR8A3c8NVo/edit?usp=sharing>
2. A Comic Exploring The New Coronavirus. <https://www.npr.org/sections/goatsandsoda/2020/02/28/809580453/just-for-kids-a-comic-exploring-the-new-coronavirus>
3. COVID-19 Animation: What Happens If You Get Coronavirus? <https://youtu.be/5DGwOJXSxqg>
4. Epidemics, Outbreaks and Pandemics. <https://youtu.be/CUl87kYHT3I>
5. Levels of disease. <https://www.cdc.gov/csels/dsepd/ss1978/lesson1/section11.html#:~:text=Epidemic%20refers%20to%20an%20increase,a%20more%20limited%20geographic%20area>
6. Similarities and Differences between Flu and COVID-19.<https://www.cdc.gov/flu/symptoms/flu-vs-covid19.htm>
7. Coronavirus is not the flu. It's worse. <https://youtu.be/FVIGhz3uwuQ>

Day 2 materials:

1. Descriptive Epidemiology: Epidemic Curves.<https://sphweb.bumc.bu.edu/otlt/mph-modules/ep/ep713_descriptiveepi/ep713_descriptiveepi3.html>
2. NetLogo https://www.youtube.com/watch?v=AJXFiO-ULv0
3. NetLogo Tutorial-2: Emergent Phenomena and Procedures.<https://youtu.be/aGiAOwde7Dc>

Day 3 Materials:

1. NetLogo Tutorial-3: Make your first ABM NetLogo model.<https://youtu.be/EGtaYc6A7k4>

Day 4 materials:

1. See Teaching slides. A complete YouTube tutorial is available.
   1. Part 1: https://youtu.be/eoejkCTmnVw
   2. Part 2: https://youtu.be/2xz3zkowC4s
   3. Part 3: https://youtu.be/q15JDvucq4o

Day 5 Materials:

1. Data collection sheet 01:<https://docs.google.com/spreadsheets/d/1F5SgLjshTkZAmJauNYIB8T5O7b2gViIJuaDZZgGu10c/edit?usp=sharing>
2. Sample data 01:<https://docs.google.com/spreadsheets/d/1563jxYoI2CBWJ50harEUpT9PtUciz8RsNVAiHxhI76A/edit?usp=sharing>

Day 6 materials:

1. Data collection sheet 02:<https://docs.google.com/spreadsheets/d/12dAAAFzHlK1t2HECg8105bKFLI2X1t0lLBXWs6zOEYs/edit?usp=sharing>
2. Sample data 02:<https://docs.google.com/spreadsheets/d/1HSDc6LlCR9FWu7xnkyTWbsl-x0CgQSL_aEaeKZMDdnc/edit?usp=sharing>
3. Social distancing model: <https://sites.google.com/view/ido-socialdistancing>

Day 7 materials:

1. What is herd immunity?<https://youtu.be/tC47JjakPSA>
2. How vaccines work against COVID-19: Science, Simplified.<https://youtu.be/uWGTciX795o>
3. Data collection sheet 03: <https://docs.google.com/spreadsheets/d/1GhJo9GFrXByU_0l-ESsJnvAvueVMbWu-XEkwJZUhRq4/edit?usp=sharing>
4. Sample data 03:<https://docs.google.com/spreadsheets/d/1FtWMaGxXqqZCCVdGwHzRxrEq1L7pdPH6wYvz2BGGhos/edit?usp=sharing>
5. Debunking the Myth of Non-Vaccine Herd Immunity in COVID-19.<https://intermountainhealthcare.org/blogs/topics/covid-19/2020/11/debunking-the-myth-of-non-vaccine-herd-immunity-in-covid-19/>
6. 10 Common Vaccine Myths Busted.<https://www.umms.org/coronavirus/covid-vaccine/myths-busted>

Day 8 materials:

1. A Comic Strip Tour of The Wild World of Pandemic Modeling.<https://fivethirtyeight.com/features/a-comic-strip-tour-of-the-wild-world-of-pandemic-modeling/>