Bio 108
The Science of COVID-19

Groups and Teams

Team	Group X: Olivia Knowles	Group Y : Syke McCormick	Group Z: MaryJo Schmidt
1	Kingman, Sebastian Shirasaki, Megumi	Barnard, Bailey Beaumaster, Jack	Spiziri, Victoria Ridgeway, Chanse
2	Collins, Eamon Xie, Wentao	Ortega, Yajaira Pintz, AJ	Wright, Hunter Stewart, Cory
3	Nyberg, Molly Mackey, Macie	Richards, Glenn Thiele, Maria	Abrams, Kate Crow Schrader, Jeret
4	Fluno, Madilyn Sande, Sam	Watters, Nathan Dauzvardis, Blaise	Pott, Valeria Ward, Maeve

Assignments (Only Week 1 assignments and Research Paper are listed; list will be updated per week)

Assignment	Individual or Team
1A	Individual
1B	Individual
1C	Teams
1D	Individual
Research Paper	Teams

Assignment 1C: Current Questions

Groups will discuss the question together. Then, each Team will write their own paper.

Group	Question
X	1. What if everyone wore a facemask? Would this stop or slow the pandemic?
Y	2. Does relying on computer modeling help or hurt a country's response to the pandemic?
Z	3. What is the role of the government and of the media in spreading misinformation and scientific expertise?

Research Paper

Group	Team	TOPIC
X	1	1. How do social conditions such as crowding and poverty amplify the spread of infectious diseases?
X	2	2. How did newly emerging infectious diseases enter human populations?
X	3	3. What makes a particular population more susceptible than others to an infectious disease?
X	4	4. Why are vaccines that target a particular infectious pathogen difficult to manufacture and distribute to a population?

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Y	1	1. How do social conditions such as crowding and poverty amplify the spread of infectious diseases?
Y	2	5. Why are particular viruses harder to treat than others?
Y	3	6. What are the risks and benefits of public health measures aimed at stopping a pandemic?
Y	4	7. How has the current infodemic shaped the response to this pandemic?
Z	1	8. What pathogen-associated variables, such as the amount of time an individual is infectious, stability of the virus in the environment, and ongoing evolution of the virus, should be considered when determining the length of this pandemic and whether or not this pandemic will amplify instead of decline? How do these variables differ from the SARS and MERS epidemics?
Z	2	4. Why are vaccines that target a particular infectious pathogen difficult to manufacture and distribute to a population?
Z	3	6. What are the risks and benefits of public health measures aimed at stopping a pandemic?
Z	4	7. How has the current infodemic shaped the response to this pandemic?