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College of Natural Sciences, Forestry, and Agriculture_Covid Related Teaching Materials Email

Pauline L. Kamath

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Jonathan Jue-Wong <jonathan.juewong@maine.edu>

Fwd: Covid-related teaching materials

1 message

Jeffrey St John <jeffrey.stjohn@maine.edu>

Fri, May 29, 2020 at 9:49 AM

To: Pauline Kamath <pauline.kamath@maine.edu>, Jonathan Jue-Wong <jonathan.juewong@maine.edu>

Thank you so much for sharing these materials, Pauline. We will add them to our growing (and amazing) list of pandemic-related course assignments/activities/projects.

All best,

Jeff

Jeffrey St. John, Ph.D.
Senior Associate Provost for Academic Affairs
University of Maine
207.581.1591

----- Forwarded message -----

From: **Pauline Kamath** <pauline.kamath@maine.edu>

Date: Thu, May 28, 2020 at 8:45 PM

Subject: Covid-related teaching materials

To: Jeffrey St John <jeffrey.stjohn@maine.edu>

Hi Jeff,

I was forwarded an email saying you are collecting information about instructional material focused on Covid-19. I'm not sure if this qualifies, but I did incorporate a few slides on covid into a couple lectures for AVS 249 (Laboratory and Companion Animal Science) and a guest lecture for BIO 433 (Mammalogy) this Spring semester. Further details are as follows:

1) AVS 249 (Laboratory and Companion Animal Science) is a lower-division required class for students in the Animal Science major and Pre-Vet concentration focused on characteristics, welfare, uses, anatomy, physiology, behavior, breeding, genetics, nutrition, health, handling, and care of laboratory and companion animals. In my usual module focused on zoonotic diseases, I presented the current covid-19 outbreak as an example related that illustrated lecture concepts having to do with the ability of the virus to infect and cause disease in domestic and zoo animals, the potential wildlife reservoirs of the virus, and the factors driving disease spillover to humans.

2) BIO433 Mammalogy is an upper-level biology class that focuses on the evolution and ecology of mammals. Each week the students read a primary literature paper designed to showcase the diversity of mammal research and the common techniques used to study mammals. I gave a guest lecture on mammals and disease that incorporated slides on wildlife reservoirs and factors driving coronavirus spillover. In addition, I led a discussion on a recently published paper that highlighted the importance of studying the basics of mammal life history (timing of reproduction, life stages

etc) and ecology for basic disease research.

The pdfs of the lectures and the paper are attached. Please let me know if you have any questions.

Best,

Pauline

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4 attachments



AVS249_Lecture#28_Infectious Diseases and Zoonoses_04-17-20.pdf
2871K



Montecino-Latorre et al. 2020.pdf
1292K



AVS249_Lecture#29_Eco-Epidemiology_04-20-20.pdf
4466K



BIO433_Kamath_Mammals&Disease_7Apr2020.pdf
4221K