Cornell Initiative for Digital Agriculture – Summer 2020 Seminar Series:
Digital Agriculture Curriculum Development Roundtable

Featuring perspectives from collaborative, cross-college courses:
Kirstin Petersen – VIEN 4940: Robots, Food, and Wine
Jenny Goldstein – DSOC 4060/6020: Digital Capitalism
Julio Giordano - ANSC 3510: Dairy Herd Management
Xingen Lei - AEM 4880: Global Food, Energy, and Water Nexus

Monday, August 24th, 2020- ONLINE ONLY
12:00 – 12:20 pm – Presentation with Live Stream
https://cornell.zoom.us/j/419930398
12:20 – 1:00 pm - Q&A

Abstract:
Join CIDA for a roundtable discussion on cross-college, collaborative courses, and the development of DA curriculum. Faculty from VIEN 4940- Robots, Food, and Wine, DSOC 4060/6020- Digital Capitalism, AEM 4880 - Global Food, Energy, and Water Nexus, and ANSC 3510- Dairy Herd Management will provide an overview of their courses and their perspective on co-teaching across different disciplines and colleges. The discussion will focus on challenges encountered in collaborative, cross-college courses, lessons learned from experience, and the future for collaborative courses and DA curriculum at Cornell and in academia.

Bios:
Renata Ivanek (moderator) is an associate professor in population medicine and diagnostic sciences (CVM).

Kirstin Petersen, an Assistant Professor of Electrical and Computer Engineering (COE) will discuss her collaborative course, VIEN 4940- Robots, Food, and Wine, that she co-teaches with Justine Vanden Heuvel, professor of Horticulture in the School of Integrative Plant Sciences (CALS).
Jenny Goldstein, assistant professor of Development Sociology (CALS) will discuss DSOC 4060/6020- Digital Capitalism, a course that was originally developed and co-taught with Rebecca Slayton, associate professor of Science and Technology Studies (CAS).

Julio Giordano, associate professor of Animal Science (CALS) will discuss ANSC 3510- Dairy Herd Management, a collaborative course taught with Ken Birman, professor of Computer Science (CIS).

Xingen Lei, professor of Animal Science (CALS) will discuss AEM 4880 - Global Food, Energy, and Water Nexus, a collaborative and internationally taught course that includes enrollment from Cornell students and students in Asia, that he co-teaches with Dennis Miller, Professor of Food Science (CALS), Prabhu Pingali, Professor of Applied Economics and Development (JCB), and Jeff Tester, Professor of Chemical and Biomolecular Engineering (COE).

**Background on the Cornell Initiative for Digital Agriculture:**

An interdisciplinary group of Cornell University faculty began meeting in early 2017 to formulate an Initiative for Digital Agriculture, believing that Cornell is uniquely equipped to lead in this emerging arena that will benefit the public for generations. We define DA to mean the application of computational and information technologies coupled with nanotechnology, biology, systems engineering and economics to both the research and operational sides of agriculture and food production. With approximately 100 faculty from 5 Cornell colleges participating, we are collaborating with external stakeholders to shape and implement a research agenda for DA that will build a pipeline of discovery and innovations for the next 10+ years. Please contact Gabriela Cester at gc423@cornell.edu with any questions.