Global Food Security: The Real Hunger Games

10 credits

MAIN CLASS
Plant Pathology 311
Global Food Security

LINKED CLASS
Botany 123
Plants, Parasites, and People

LINKED CLASS
Chemistry 103
General Chemistry I

In this biological science FIG, you will explore the intersection of domestic public policy, global public health, socioeconomics, national security, and a sustainable environment.

The main class of this FIG, Plant Pathology 311: “Global Food Security,” will utilize problem-based learning to examine the delicate balance that maintains global food security. You will examine the interactions between domestic public policy and global food production. Food availability depends on sustainable agricultural production with a minimization of losses from disease, contamination, and storage, but also availability of markets. The focus of the FIG will be on the complicated interactions between seemingly independent variables. You will come to a better understanding of the interconnections that shape food availability, and will develop problem-solving and critical thinking skills required for finding answers to biology-related questions:

• What are the drivers of food “insecurity”?
• What is the role of human population growth?
• What are science-based solutions to food security issues?
• How can domestic policies influence international outcomes?

“Global Food Security” is taught with integrated alternative approaches such as situated learning activities, case studies, student-led group discussion and debate, and embedded writing assignments.

This class carries the CALS International Studies Requirement designation and will also integrate content from the class linked to this FIG.

Botany 123: “Plants, Parasites, and People” — An exploration of molecular, organismal, and environmental biology using examples related to plants and plant-associated microbes. Topics may include food production, evolution, biotechnology, climate change, plant disease control and other subjects, with attention to the science and to impacts on human health, prosperity, and the environment. This class is highly interactive with a fun weekly lab.

Chemistry 103: “General Chemistry I” — Introduction to stoichiometry and the mole concept; the behavior of gases, liquids, and solids; thermochemistry; electronic structure of atoms and chemical bonding; descriptive chemistry of selected elements and compounds; and intermolecular forces.

main class instructor: Jeri Barak

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more on the other side
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Enrolled in a FIG and you change your mind?

FIG classes are designed to be taken together. When you enroll in a FIG, you are signed up for these classes as a whole group, not as separate classes.

Dropping one FIG class means ending your enrollment in all of the classes in the FIG.

So, here’s what you should know if you want to drop the FIG:

• You can drop all the classes on your own at enroll.wisc.edu. Any non-FIG class will not be affected.
• After classes begin, if you need to drop a single class within the FIG, please contact Kari Fernholz (see below) to review your situation. If necessary, she will provide the required authorization to drop the class.
• Wednesday, September 11, 2019 is the last day to drop a class without it appearing on your college transcript.
• Friday, September 13, 2019 is the last day to add a class without first getting department permission.

MAIN CLASS

Plant Pathology 311
Global Food Security
LEC 1: M 12:05–2:10 +
DIS 301: W 1:20–2:10
• Biological Science
• Intermediate
credits: 3
class number: 41497

LINKED CLASS

Botany 123
Plants, Parasites, and People
LEC 1: MW 11:00–11:50 +
LAB 308: F 11:00–12:15
• Biological Science
• Elementary
• Honors Optional
credits: 3
class number: 50806

LINKED CLASS

Chemistry 103
General Chemistry I
LEC 4: TR 1:00–2:15 +
DIS 376: WF 9:55–10:45 +
LAB 676: W 5:40–8:40
• Physical Science
• Elementary
credits: 4
class number: 46882