



Global Food Security: The Real Hunger Games

figs.wisc.edu/2019fall27

FIG 27 • Fall 2019

main class instructor: **Jeri Barak**

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. ●

[more on the other side](#)

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	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00 am					
9:00 am					
10:00 am			CHEM 103 DIS 376 9:55–10:45 am		CHEM 103 DIS 376 9:55–10:45 am
11:00 am	BOTANY 123 LEC 1 11:00–11:50 am		BOTANY 123 LEC 1 11:00–11:50 am		BOTANY 123 LAB 308 11:00 am– 12:15 pm
12:00 pm					
1:00 pm	PL PATH 311 LEC 1 12:05–2:10 pm				
2:00 pm		CHEM 103 LEC 4 1:00–2:15 pm	PL PATH 311 DIS 301 1:20–2:10 pm	CHEM 103 LEC 4 1:00–2:15 pm	
3:00 pm					
4:00 pm					
5:00 pm					
6:00 pm			CHEM 103 LAB 676 5:40–8:40 pm		

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**



University of Wisconsin–Madison • figs.wisc.edu

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get help from **Kari Fernholz**, assistant director
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