



# Exploring Biology (Option 2)

[figs.wisc.edu/2019fall17](http://figs.wisc.edu/2019fall17)

**FIG 17 • Fall 2019**

main class instructor: **Cara Theisen**

**8 credits**

**MAIN CLASS**

**Integrated Science 100**  
**Exploring Biology**

**LINKED CLASS**

**History of Science 132**  
**Bees, Trees, Germs, and Genes: A History of Biology**

**LINKED CLASS**

**Mathematics 112**  
**Algebra**

Thinking about majoring in a bioscience field? Explore exciting bioscience topics and opportunities at UW–Madison in this FIG. In **Integrated Science 100: “Exploring Biology”** you will:

- learn skills and ways of thinking that will prepare you for success in future biology classes;
- gain new perspectives on broad topics and current research in biology;
- explore opportunities and careers that can come with a bioscience major;
- pick up great tips and advice on how to get the most out of being a bioscience major; and
- meet new friends and mentors who share your interest in biology.

This unique class is taught by a team of dynamic instructors with diverse backgrounds in the biological sciences to introduce you to a wide range of topics. Peer leaders—upperclassmen at UW–Madison—will also share the student perspective of navigating classes, co-curricular opportunities and the Wisconsin Experience. You will get connected to bioscience events, opportunities, and people at UW–Madison.

This class brings five Exploring Biology FIGs together into one combined class. You will be grouped with other students in your FIG and paired with an instructor and peer leader that you will work closely with throughout the semester as you engage in interactive and collaborative activities. (Note that this is not an introduction to biology class.)

Quotes from Integrated Science 100 students:

- “I learned about different aspects of biology, but also things about my campus and the resources that are available.”
- “This class allows you to explore major biological themes and the different paths you could take if you continue to study biology or any other science.”
- “The relationships that I built in the class are ones that I expect to keep in the future.”

- “I learned skills which will be useful in other college classes.”
- “I learned of the countless activities on campus and how to get involved. I met some very kind and interesting people.”

**History of Science 132: “Bees, Trees, Germs, and Genes: A History of Biology”** —

How did today’s biology emerge out of the diverse traditions of agriculture and natural history (bees and trees, biomedicine and molecular biology, germs and genes) that stretch back into the eighteenth century? In this class, we examine classic texts and “game-changes” in the history of biology, putting them into broader scientific and social contexts to see how these different ways of knowing intertwined, competed, and yielded novel approaches to the study of life that still shape today’s life sciences.

**Mathematics 112: “Algebra”** — Polynomial equations, remainder and factor theorems, functions, graphs of functions, simultaneous linear equations, logarithm and exponential functions, sequences and series, mathematical induction, binomial theorem. ●

[more on the other side](#)

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FIG 17 • Fall 2019

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00 am					
9:00 am					
10:00 am	MATH 112 LEC 15 9:55–10:45 am		MATH 112 LEC 15 9:55–10:45 am		MATH 112 LEC 15 9:55–10:45 am
11:00 am					
12:00 pm					
1:00 pm					
2:00 pm	HIST SCI 123 LEC 1 1:20–2:10 pm		HIST SCI 123 LEC 1 1:20–2:10 pm		HIST SCI 123 DIS 304 1:20–2:10 pm
3:00 pm	INTEGSCI 100 LEC 1 + DIS 302 2:25–4:20 PM				
4:00 pm					
5:00 pm					
6:00 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](http://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

### Integrated Science 100 Exploring Biology

LEC 1 + DIS 302: M 2:25–4:20

- Biological Science
- Elementary

credits: 2

class number: **50748**

## LINKED CLASS

### History of Science 132 Bees, Trees, Germs, and Genes: A History of Biology

LEC 1: MW 1:20–2:10 +  
DIS 304: F 1:20–2:10

- Humanities or Social Science
- Elementary
- Honors Optional

credits: 3

class number: **61648**

## LINKED CLASS

### Mathematics 112 Algebra

LEC 15: MWF 9:55–10:45

- Quantitative Reasoning Part A
- Elementary

credits: 3

class number: **65500**



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Nathan Phelps, director • 608-263-6504 • [nathan.phelps@wisc.edu](mailto:nathan.phelps@wisc.edu)

get help from **Kari Fernholz**, assistant director  
608-262-7375 • [kari.fernholz@wisc.edu](mailto:kari.fernholz@wisc.edu)

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