



Becoming a Scientist: Doing Biology Research

figs.wisc.edu/2019fall05

FIG 5 • Fall 2019

main class instructors:

Janet Batzli, Michelle Harris, and Seth McGee

11 credits

MAIN CLASS

Interdisciplinary Courses (L&S) 101
Becoming a Scientist

LINKED CLASS

Chemistry 109
Advanced General Chemistry

LINKED CLASS

History of Science 201
The Origins of Scientific Thought

In this FIG you will actively engage in our class community through the process of science and uncover “how we know what we know” through scientific discovery. You will have an opportunity to work in a team of three to four students to ask a novel question and do biology research on a topic of your choice: from ecology and

physiology to cell biology. You will explore both the “how” and “why” questions that drive the process of science by doing research; and analyze how science is communicated by visiting research labs, and by talking with researchers in UW Madison laboratories across campus. The other classes linked to this main FIG seminar will also contribute to your understanding of the process of science and being a scientist. This FIG is taught by instructors in the Biocore Program and will allow for opportunities to explore the Biocore sequence as an option to begin during your sophomore year.

Chemistry 109: “Advanced General Chemistry” — This is a one-semester, accelerated introductory university class in chemistry that is designed for students with good chemistry and mathematics background preparation who desire a one-semester coverage of general chemistry.

History of Science 201: “The Origins of Scientific Thought” — What does science have to do with religion? What does it mean to have expertise about the natural world? And what difference do politics and funding sources make to scientific investigation? Learn how to think critically and historically about science in this course by exploring such fundamental questions across two millennia. We begin with ancient mythology and philosophy, then follow the movement of the Greek classical tradition into medieval Islam and Christendom, and finally turn to the “revolution” in science of the sixteenth and seventeenth centuries with Copernicus, Galileo, Descartes, and Newton. These historical investigations provide vital insights into ideas of the “natural,” scientific observation, and experiment, as well as into our expectations of scientific knowledge and the scientific enterprise. ●

[more on the other side](#)

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FIG 5 • Fall 2019

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00 am					
9:00 am					
10:00 am					
11:00 am					
12:00 pm					
1:00 pm	CHEM 109 LEC 1 12:05–12:55 pm	HIST SCI 201 LEC 1 12:05–12:55 pm	CHEM 109 LEC 1 12:05–12:55 pm	HIST SCI 201 LEC 1 12:05–12:55 pm	CHEM 109 LEC 1 12:05–12:55 pm
2:00 pm	INTER-LS 101 SEM 4 1:20–4:20 pm				
3:00 pm				CHEM 109 LAB 804 2:25–5:25 pm	
4:00 pm			HIST SCI 201 DIS 304 3:30–4:20 pm		
5:00 pm			CHEM 109 DIS 504 4:35–5:25 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. 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

Interdisciplinary
Courses (L&S) 101

Becoming a Scientist

SEM 4: M 1:20–4:20

- Biological Science
- Elementary

credits: 3

class number: **65526**

LINKED CLASS

Chemistry 109

Advanced General Chemistry

LEC 1: MWF 12:05–12:55 +

DIS 504: W 4:35–5:25 +

LAB 804: R 2:25–5:25

- Quantitative Reasoning Part B
- Physical Science
- Elementary

credits: 5

class number: **46270**

LINKED CLASS

History of Science 201

The Origins of Scientific Thought

LEC 1: TR 12:05–12:55 +

DIS 304: W 3:30–4:20

- Humanities
- Elementary
- Honors Optional

credits: 3

class number: **60611**



University of Wisconsin–Madison • figs.wisc.edu

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get help from **Kari Fernholz**, assistant director
608-262-7375 • kari.fernholz@wisc.edu

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