



Coffee: Chemistry & Culture 2

fyp.uoregon.edu

FALL 2021

COURSES

First-Year Experience Seminar

UGST 109

1 credit

General Chemistry

CH 221

Core Education Science (>3)

4 credits

General Chemistry Lab

CH 227

2 credits

CALENDAR

First FIG Meeting

You will get to meet your FIG classmates, FIG Assistant (FA), and Faculty before classes start!

Check your FIG page in September to find out more details.

ACADEMIC TEAM

First-Year Experience Seminar Professors

Christopher Hendon
Assistant Professor of Chemistry
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FIG Assistant

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ABOUT THIS FIG

FYE Seminar

Numerous physical and chemical processes play a determining role in the quality of a cup of coffee, ranging from agricultural practices, to roasting and brewing. This FIG canvases the landscape of coffee research to date, detailing areas that require further study, as well as discussing our early efforts to better understand the key factors that determine cup quality and reproducibility. A focus will be placed on the production of espresso-based beverages, and how we can systematically improve both the flavor reproducibility and coffee efficiency using a mixture of mathematics, chemistry, and physics. This FIG will involve a mixture of lectures, as well as interfacing with Eugene's local specialty coffee purveyors visiting multiple cafes around the city, merging science with local businesses.

General Chemistry

Chemistry is the study of matter and the changes that it undergoes. It is a science that is central to our understanding of the natural world and it serves as a foundation for all other scientific disciplines. The General Chemistry sequence, beginning with CH 221, is designed for science majors and pre-professional students, and provides an introduction to the experimental and theoretical foundations of chemistry. Students will gain factual knowledge about the terminology and language of chemistry as well as an understanding of the underlying reasons why chemical processes occur. They will be expected to interpret, reason and problem solve using fundamental chemical principles.

General Chemistry Lab

Introduces chemistry laboratory techniques, including volume and mass measurement, use of the pipette and burette, and gravimetric thermochemical measurements. Required for students in the natural sciences or for those preparing to enter one of the medical sciences.

NEXT STEPS

After you're registered for your FIG, you will want to check out the Meet Your FIG page (<https://fyp.uoregon.edu/fall-2021-figs>). This page will have everything you need to know before the beginning of fall term, including how to email your FIG Assistant, your summer assignment, and when you will be meeting your FIG for the first time in September. In order to prepare for your coursework and be notified about important academic deadlines you will want to download the "Canvas" and "Navigate" apps to your devices. Also, be sure to visit the FYE Community page in September, which has all the resources you'll need to achieve success in your first-year (<https://fyp.uoregon.edu/community>). If you have questions about anything, make sure you email your FIG Assistant – they are here to help!



Division of
Undergraduate Education and
Student Success



Coffee: Chemistry & Culture 2

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FALL 2021

Coffee: Chemistry & Culture 2					
	Monday	Tuesday	Wednesday	Thursday	Friday
8AM					
9AM		UGST 109 17622 ANS 191 9:00am-9:50am			
10AM					
11AM	CH 227 11487 COL 150 11:00am-11:50am	CH 221 11483 COL 150 11:00am-11:50am	CH 221 11483 COL 150 11:00am-11:50am	CH 221 11483 COL 150 11:00am-11:50am	CH 221 11483 COL 150 11:00am-11:50am
12PM				CH 227 16648 KLA 109 12:00pm-2:50pm	
1PM					
2PM					

This FIG has an asynchronous remote class (which appears on the UO class schedule as “WEB”) that does not appear on this schedule. You are enrolled in all of the FIG classes, and can see them when you log on to Duckweb.

ENROLLED IN A FIG AND CHANGE YOUR MIND?

Visit this link to find out the best way to make FIG changes for you: <https://fyp.uoregon.edu/fig-enrollment-2021>