



The Problem with Problems

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FALL 2020

COURSES

College Connections

CH 199

1 credit

Introduction to Chemical Principles

CH 111

Core Education Science (>3)

4 credits

College Algebra

MATH 111

4 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

College Connections Professor

Randy Sullivan

Instructor of Chemistry

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FIG Assistant

Josh Wang

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ABOUT THIS FIG

College Connections

Success in a science or math course depends, to a great extent, on one's ability to solve discrete problems. The exams that we take and the homework we complete usually consist mostly of "problems." But many students have difficulty solving problems successfully. In this FIG, we will investigate the role that problems play in science and math learning. At the same time, you will work on improving your problem-solving skills and learn to leverage your problem-solving to help you master the big concepts behind the problems.

Introduction to Chemical Principles

This course familiarizes students with the foundational concepts and models of modern chemistry while emphasizing problem solving and critical thinking skills that will support students' success as they continue their studies. Fundamental mathematical techniques and skills are incorporated to illustrate the quantitative aspects of chemistry and to develop student ability to model quantitative systems.

College Algebra

This course begins by building familiarity with functions, including notation and the rate of change in a function. Linear functions, including lines of best fit, are discussed. Evaluation, identifying domain and range, and the basics of composition and inversion of functions follow. Quadratic and polynomial functions are introduced along with roots and extrema of quadratic functions. Exponential and logarithmic models are discussed with a focus on applications. Finally, transformations of functions are covered. College algebra is a calculus preparation course and as such has a strong algebraic focus.

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-2020-figs>). This page will have everything you need to know before the beginning of fall term, including how to email your FIG Assistant, if you have a 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 phone or any device you will be using. 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



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FALL 2020

The Problem with Problems					
	Monday	Tuesday	Wednesday	Thursday	Friday
11AM					
12PM					
1PM				MATH 111 14019 TYKE 32 12:30pm-1:30pm	
2PM	CH 111 11607 REMOTE 00 2:00pm-3:00pm	CH 111 11607 REMOTE 00 2:00pm-3:00pm	CH 111 11607 REMOTE 00 2:00pm-3:00pm	CH 111 11607 REMOTE 00 2:00pm-3:00pm	
3PM					
4PM				MATH 111 14019 MCK 229 3:30pm-4:30pm	
5PM		CH 199 17119 LIB 41 4:15pm-5:45pm			
KEY	Your FIG College Connections Class. Meet once a week with 20 peers, Faculty, and FIG Assistant (FA).		The lecture courses associated with your FIG.		Your discussion or lab section for lecture courses.

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/register>