



# Exploring Planets

fyp.uoregon.edu

FALL 2019

## COURSES

### College Connections

GEOL 199

1 credit

### General Physics

PHYS 201

Core Education Science (>3)

4 credits

### Dynamic Planet Earth

GEOL 201

Core Education Science (>3)

4 credits

## CALENDAR

### FIG Saturday - Initial FIG Meeting

September 28th @ 9am (Check FIG page in August for location)

## ACADEMIC TEAM

### College Connections Professor

Carol Paty

Associate Professor

[cpaty@uoregon.edu](mailto:cpaty@uoregon.edu)

### FIG Assistant

Jacob Mosko

[jmosko@uoregon.edu](mailto:jmosko@uoregon.edu)

## ABOUT THIS FIG

### College Connections

The solar system provides a natural laboratory for studying a diversity of planetary bodies, which begs the questions: Why are they so different, what is the physics underlying the features we observe, and how do we make remote observations of planets? This FIG will explore these questions and more!

### General Physics

This course introduces the physics of classical dynamics. Based on Newton's three laws of mechanics, the variables required to describe motion - displacement, velocity and acceleration - are related to the variables that quantify the cause of motion force and momentum. The relationship between energy and motion is also presented. Static objects, motion under gravity and circular motion are all considered. The dynamics of fluids (gases and liquids) are also presented.

### Dynamic Planet Earth

This introduction to physical geology emphasizes plate tectonics as the unifying concept for understanding the processes that cause earthquakes, volcanism and mountain building on the Earth. The Earth is a dynamic planet, and over its long history mountain belts have risen and been eroded away, continents have shifted their positions, new ocean basins have formed and sometimes closed up again, and volcanic activity has reshaped the continents and sea floor. The course begins with the evidence that supports the theory of plate tectonics and a discussion of how the interior and surface of the Earth interact with the oceans and atmosphere. Topics covered in the course include minerals, the formation of igneous and metamorphic rocks, volcanic activity, how rocks are deformed as mountains grow, why earthquakes occur, the composition and structure of the earth's interior, and the ways by which geologic time can be measured.

## NEXT STEPS

After you leave IntroDUCKtion, you will want to check out the Meet Your FIG page (<https://fyp.uoregon.edu/2019-fall-fig-options>). This page will have everything you need to complete before the beginning of fall term including how to email your FIG Assistant, what to do for your summer assignment, and when you will be meeting your FIG for the first time during Week of Welcome on September 28th. 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 on campus. Finally, make sure you read the Common Reading book so you can participate in activities on campus throughout the year. If you have any questions, make sure you email your FIG Assistant.



Division of  
Undergraduate Education and  
Student Success



# Exploring Planets

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FALL 2019

Exploring Planets					
	Monday	Tuesday	Wednesday	Thursday	Friday
8AM					
9AM	<b>GEOL 201</b>	<b>GEOL 201</b>	<b>GEOL 201</b>		<b>GEOL 201</b>
	<b>12599</b>	<b>12602</b>	<b>12599</b>		<b>12599</b>
	<b>TYKE 204</b>	<b>COL 47</b>	<b>TYKE 204</b>		<b>TYKE 204</b>
	<b>9:00am-9:50am</b>	<b>9:00am-10:50am</b>	<b>9:00am-9:50am</b>		<b>9:00am-9:50am</b>
10AM				<b>PHYS 201</b>	
				<b>15031</b>	
				<b>WIL 112</b>	
				<b>10:00am-10:50am</b>	
11AM					
12PM	<b>PHYS 201</b>		<b>PHYS 201</b>		<b>PHYS 201</b>
	<b>15029</b>		<b>15029</b>		<b>15029</b>
	<b>WIL 100</b>		<b>WIL 100</b>		<b>WIL 100</b>
	<b>12:00pm-12:50pm</b>		<b>12:00pm-12:50pm</b>		<b>12:00pm-12:50pm</b>
1PM					
2PM	<b>GEOL 199</b>				
	<b>16817</b>				
	<b>ANS 193</b>				
	<b>2:00pm-2:50pm</b>				
3PM					

## ENROLLED IN A FIG AND CHANGE YOUR MIND?

If you want to make changes to your FIG while you are still at IntroDUCKtion make sure you visit the FIG table in the EMU Ballroom. If you have already left IntroDUCKtion and want to make changes you will have to wait until after all of the IntroDUCKtion sessions are over on August 1st. Starting August 1st you can call the FIG office at 541-346-1131 to discuss switching or dropping FIGs.