



# Rock 'n' Physics

fyp.uoregon.edu

FALL 2021

## COURSES

### First-Year Experience Seminar

UGST 109

1 credit

### Physics of Sound & Music

PHYS 152

Core Education Science (>3)

4 credits

### Music of the Woodstock Generation

MUS 281

US: Difference, Inequality and

Agency (>US)

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

### First-Year Experience Seminar Professor

Stanley Micklavzina

Senior Instructor of Physics

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

### FIG Assistant

Alex Taylova

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

## ABOUT THIS FIG

### FYE Seminar

This FIG covers the influences changes in technology had and still have on rock n roll, modern-day music, and Social Change. What was the attitude for change in the Woodstock Era of Music? How does it compare to what the freshman in college world experience today, now? We will also couple the Braiding Sweetgrass Common Read into discussions and the possibility of developing a more holistic look at science changing methods of living and developing technology in the future..

### Physics of Sound and Music

Practical course for students with interest in how musical sounds are created by various instruments and how they travel, are recorded, synthesized, and optimized by auditorium design. Specific families of instruments (e.g. woodwinds, brass, and strings) will be discussed. The concepts of standing waves, overtone series, and enclosures (e.g. instruments) to amplify and focus these waves form the basic foundation of the course. Other topics include the mechanics of how human hearing and voice work and musical temperament and pitch.

### Music of the Woodstock Generation

Examines the relationship between popular music and social upheavals in the United States during the 1960s.

## 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



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FALL 2021

Rock 'n' Physics					
	Monday	Tuesday	Wednesday	Thursday	Friday
8AM					
9AM					
10AM		MUS 281 16334 CLS 250 10:00am-11:50am		MUS 281 16334 CLS 250 10:00am-11:50am	
11AM					
12PM		PHYS 152 15094 WIL 100 12:00pm-1:50pm		PHYS 152 15094 WIL 100 12:00pm-1:50pm	
1PM					
2PM					
3PM					
4PM	UGST 109 17677 WIL 112 4:00pm-4:50pm				

**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>