

## SIO 65. Geosciences Seminar

WI22. Fridays 11:30-1:30 Nierenberg 101

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*Course description:* SIO65 is a weekly seminar course that introduces students to the field of geoscience and to various subfields within the geosciences field. Students will explore options for study, career opportunities, and contemporary topics while building relationships with their peers in the cohort. Presentations and talks will feature a variety of subjects, including discussions by industry experts.

*Course website:* [canvas.ucsd.edu](http://canvas.ucsd.edu)

*Grading:* 2 credit, P/NP

### Learning Objectives:

- Students will be familiar with the field of geosciences and subfields within the geosciences.
- Students will be familiar with options for studying the geosciences at Scripps
- Students will be familiar with some of the research facilities at Scripps through on site visits and exploration.
- Students will be familiar with internships, research opportunities and jobs in the geosciences and will gain experience and confidence in how to apply to various opportunities.
- Students will discover career paths through presentations from geoscience professionals and experts.
- Students will build relationships and experience with their peers.

### Seminar Schedule

	Class topics	Assignments
1/7	Logistics, introductions, and course objections	No assignments
1/14	Topic: Applying to paid summer internships and research opportunities in the geosciences	What opportunities are a good fit for you? See the assignment description and link in Canvas.
1/21	The eruption of Hunka Tonga volcano Guest Speaker: Dr. Geoff Cook Professor of Geosciences,	Assignment – attending seminars at Scripps

	Scripps Institution of Oceanography	
1/28	<p>“Managing Water Resources in CA; information, opportunities and careers”</p> <p>Guest Speaker: Dr. Erik Ekdahl Deputy Director, Dept. of Water Rights State Water Resources Control Board Sacramento, CA</p>	No additional assignment. Remember to attend some seminars!
2/4	<p>“Using math to understand the earth; nontraditional and circuitous career paths in geosciences”</p> <p>Guest Speaker: Dr. Mattias Morzfeld Professor of Geophysics Scripps Institution of Oceanography</p>	No additional assignment. Remember to attend some seminars!
2/11	<p>How to write a resume</p> <p>Guest Speaker: Mike Zucker UCSD career resources center</p>	Assignment – Draft a resume or make improvements to your current resume. See details and upload your assignment on Canvas.
2/18	Reading and analyzing a research paper	Assignment – Choose a research paper to read (find it on Canvas).
2/25	<p>Academic Careers</p> <p>SIO recent alumni panel</p> <p>Featuring:</p> <p>Nick Lau, SIO PhD student, IGPP Sam Kekuewa, SIO PhD student, Marine Chemistry Eric Snortum, Professor, MiraCosta College Rachel Darling, BS/MS student, Climate Change and Health</p>	No additional assignment. Remember to attend some seminars!
3/4	<p>Guest Speaker: Dr. Angelica Rodriguez</p> <p>Oceanographic scientist at Naval Information Warfare Center Pacific</p>	Assignment – Make improvements to your resume based on your peer feedback and suggestions. See details and upload your assignment on Canvas.
3/11	<p>Analyzing a Research Paper – Group discussion and Scripps Pier Tour!!</p>	Remember to choose a research paper to read before class. Come to seminar prepared to discuss the paper in terms of the notes on 2/18