

SIO 87-Treasures of the Earth: minerals, crystals, and gems

Thursday (Weeks 1-5) 9-10:50

Instructor

Geoffrey Cook

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Office Hours: by appointment

Hello! I am thrilled to be introducing you to the exciting world of minerals and Earth materials! On Zoom! This seminar is designed to give students from a wide range of backgrounds a general understanding of minerals and their usefulness to society. You need not have a background in geology to enjoy the class. I always encourage questions and discussion in class and am happy to re-address or clarify concepts. I want this to be a positive and useful learning experience for each and every one of you!

Class Organization and Grading:

We will meet five times during the quarter, on Tuesdays in Zoom. The meeting days are: 1/7, 1/14, 1/21, 1/28, 2/4. In class we will engage in a variety of activities, including video presentations, looking at hand specimens of minerals, lectures, and discussions. You will be graded primarily on attendance and participation. Meetings will be recorded, and posted to Canvas. You can participate asynchronously. There are no exams, and no final exam. There will be several short, written exercises to be handed in for the following class period. These will count towards your participation.

SIO 87 Schedule

<u>Date</u>	<u>Activity</u>
1-7	Welcome and introduction to minerals, crystal shapes
1-14	Kaleidoscope of colors (how and why color varies in minerals)
1-21	Metallic minerals
1-28	Non-metallic minerals
2-4	Gems, minerals as natural resources and as health hazards