

# **SIO 209- Earth and marine science teaching techniques: Professional preparation for aspiring secondary and post-secondary educators**

## **Instructors**

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**Office Hours:** by appointment

This seminar will provide professional preparation for aspiring secondary and post-secondary educators in earth and marine science. We will cover a wide array of topics, including best practices in teaching, design and implementation of a successful and organized class, and effective engagement of students using active learning and other strategies. In addition, we will discuss teaching strategies for current and future teaching assistants (TA's). Grades will be based on participation in class during discussions and activities, and with attendance (which is expected).

## **Schedule of Topics**

<b><u>Week</u></b>	<b><u>Topic</u></b>
Oct. 8	Welcome and introduction
Oct. 15	Course design and how to create an effective syllabus
Oct. 22	Working with TA's/TA training; Grading and using rubrics
Oct. 29	Engaging students through active learning and peer instruction
Nov. 5	Research in best teaching practices (Scholarship of teaching and learning)
Nov. 12	Teaching with technology
Nov. 19	Working with students in the field (and challenges that go along with it)
Dec. 3	Ways to interact positively and effectively with students (including solving conflict)