

## **SIO208: Applied Ocean Science (AOS) Seminar**

### **INSTRUCTOR:**

Dariusz Stramski

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Office hours: Immediately after each seminar or by appointment

### **PREREQUISITES:**

None

### **COURSE DESCRIPTION:**

Units: 1; Grade option: S/U; AOS graduate students are required to participate in the seminar throughout their period of residency.

This seminar serves as a communications bridge across the Applied Ocean Science program and provides a central forum in which all AOS students participate. The seminar makes use of students, faculty members, and outside speakers in presenting various topics on applied ocean science and related fields. The presentations reflect a multidisciplinary character of AOS program which is focused on the application of advanced technology to ocean exploration and observation. The presentations cover various disciplines and research areas including acoustics, bio-acoustics, optics, bio-optics, electromagnetics, geophysics, ecology, sediment transport, coastal processes, physical oceanography, and air-sea interaction. The emphasis of typical presentation is on the resolution of key scientific issues through novel technological development.

### **SEMINAR GOALS:**

- (1) To become acquainted with a broad range of research topics and studies conducted by AOS students and faculty as well as AOS-relevant work by selected outside speakers
- (2) To appreciate and gain understanding of a multidisciplinary character of applied ocean science and novel technological development in solving key scientific and applied-oriented issues in oceanography
- (3) To enhance skills in communicating science and debating scientific issues via oral form
- (4) To directly engage in discussion of topics at the frontier of applied ocean science and novel technological development in oceanography

### **ASSIGNMENTS:**

AOS students are expected to present their work typically at least every other year. Typically, the second-year AOS students are involved in identifying the speakers, preparing a schedule of presentations for a given quarter, and introducing the speakers at the seminar.

**SCHEDULE:**

The seminar meetings of 1 hr duration take place once a week on Thursday at 4 pm in Spiess Hall 330.