

**SIO 277 Deep Sea Biology Fall 2015 Instructor: Lisa Levin  
9:30-10:50 Tues./Thursday Ritter 229**

Sept. 24 Introduction, History of Deep-Sea Biology

Sept. 29 Deep-Sea Environments, Technology and Tools

Oct. 1 Faunal composition, depth zonation

Oct. 6 Microbiology I (Doug Bartlett)

Oct. 8 Fisheries and seamount ecology (Tony Koslow)

Oct. 13 Meso pelagic and bathypelagic ecology (Amanda Netburn)

Oct. 15. Microbiology II (Logan Peoples)

Oct. 20 Benthic communities: size, abundance, trophic composition

Oct. 22. Species diversity (*Research Proposal Abstract Due*)

Oct. 27 (**QUIZ**) Reproduction, life histories and connectivity/genetics

Oct. 29 (*Challenger Forward Assignment Due*) Animal-sediment interactions

Nov. 3 Protozoa

Nov. 5 Hydrothermal vents

Nov. 7. Student Cruise I (7 AM – 10:00 PM) Arrive Mar Fac at 6 AM

Nov. 10 Methane seeps

Nov. 12 Benthic-pelagic coupling /Climate Change I

Nov. 14 Student Cruise II (7 AM – 10:00 PM) Arrive Mar Fac at 6 AM

Nov. 17. OMZs, biogenic reefs (Coral/Sponge), Climate change II

Nov. 19 (**QUIZ**) Hadal ecology and exploration

Nov 24 Human exploitation and conservation (*Deep-sea Futures Proposals DUE*)

Nov. 26 THANKSGIVING

Dec. 1 Advances in Deep-sea Physiology (Horst Felbeck)

Dec. 3 Whale Falls (Greg Rouse)

Dec. 10 8-11AM (*Deep-Sea Futures Symposium = Final Exam*)

Grading: Offered for a Letter Grade (default) or Satisfactory/Unsatisfactory (if not using the course to complete degree requirements)