

DRAFT

**SIO 277 Deep Sea Biology Fall 2017 Instructor: Lisa Levin
9:30-10:50 Tues./Thursday Eckart 236**

- Sept. 28 Introduction, History of Deep-Sea Biology
- Oct. 3 Deep-Sea Environments, Technology and Tools
- Oct. 5 Microbiology
- Oct. 10 Faunal composition, depth zonation
- Oct. 12 Benthic communities: size, abundance, trophic composition
- Oct. 17 Biodiversity (*Research Proposal Abstract Due*)
- Oct. 19 (**QUIZ**) Reproduction, life histories and connectivity/genetics
- Oct. 24. Animal-sediment interactions
- Oct. 26 Protozoa
- Oct. 31. Hydrothermal vents
- Nov. 2 Methane seeps (*Challenger Forward Assignment Due*)
- Nov. 7 OMZs and Ocean Deoxygenation
- Nov. 9 Canyons, Seamounts, biogenic reefs (Coral/Sponge) & Ocean Acidification
- Nov. 12 Organic Falls: Whales and Wood
- Nov. 14 Meso pelagic and bathypelagic ecology
- Nov. 16 Benthic-pelagic coupling /Climate Change I
- Nov. 18 Student Cruise I (7 AM – 10:00 PM) Arrive Mar Fac at 6 AM
- Nov. 21 Advances in Deep-sea Physiology
- Nov. 23 THANKSGIVING
- Nov. 28. Deep Sea Fisheries VMEs and climate change
- Nov. 30 (**QUIZ**) Hadal ecology and exploration (
- Dec. 5 Human exploitation and conservation *Deep-sea Futures Proposals DUE*)
- Dec. 7 Deep-Sea Policy (SDG 14, ISA, FAO, BBNJ)
- Dec. 14 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)