

**Contemporary Topics in Advanced
Marine Ecology: BSC 6936**

3 Credits; Tuesday 9:00 to 11:50; Room TBA

Instructor: Dr. Marguerite Koch



Topics to be Discussed

- ***Climate Change Effects Marine Organisms/Ecosystems***
Tropicalization, Ocean Hypoxia, Sea Level Rise, Alternative Stable States, Temperature Effects Physiology/Reproduction
- ***Overfishing Effects on Foodweb and Top-Down Processes***
Fisheries stocks, Apex predators
 - ***Nutrient Cycling***
Eutrophication, Carbon-cycle, Limitation
 - ***Conservation***
Rethinking size limits, marine reserves, restoration, genetic manipulation, assisted migration