

SIO 286: Marine Science, Economics & Policy
Marine Protected Areas
Winter 2016

Course Instructor:

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Schedule:

Time: 9 – 11:50am, Friday

Location: Sea Cave (1st floor of Eckart Building [old SIO Library])

Course overview:

Marine protected areas (MPAs) have been used worldwide in an effort to achieve goals of conservation and natural resource management. However, only a small fraction of the world's oceans currently are held within the borders of MPAs. Spatial protection of ocean areas is an implicitly multifaceted endeavor, as the conservation benefits are met with potential social and economic costs to limitations on extraction.

This course explores the science and practice of MPA-based management. By considering an integrated series of case studies, we will probe the conditions that surround the establishment and the ultimate outcomes of spatial management. The goal is to find common themes across these case studies to help guide the improved efficacy of marine management.

Readings:

Papers and technical reports will be assigned weekly.

Grading:

One final exam will be administered (40%), two independent exercises will be assigned (20% + 20%; 40% total) and participation will be graded (20%)

SIO 286: Lecture schedule (Winter 2016)

Date	Lecture topic	Guest presenter
8 Jan	Making the link between human capacity and economics	<i>Chris LaFranchi (OneReef)</i>
15 Jan	MPA 101 – What do academics say about marine protected areas?	
22 Jan	How similar is lemur conservation and management of the ocean?	<i>Eleanor Sterling (American Museum of Natural History)</i>
29 Jan	Protection of large areas – saving ‘pristine’ seas	
5 Feb	Managing for resilience (and reality) on Caribbean islands	<i>Mark Vermeij (University of Amsterdam & CARMABI [Curacao])</i>
12 Feb	Finding the nexus between first-world conservation and first-nations people	<i>Anne Salomon (Simon Fraser University)</i>
19 Feb	From Stellwagen Bank to the South Pacific – lessons from across the globe	<i>Les Kaufman (Boston University and Conservation International)</i>
26 Feb	<i>Class activity</i>	
4 Mar	Management in open ocean environments	<i>Dale Squires (SWFSC, NOAA)</i>
11 Mar	If all the tropical fish are gone, what will the whales eat? Management of the controversial West Hawai'i aquarium fishery	<i>Bill Walsh (Division of Aquatic Resources, State of Hawaii)</i>
13-17 Mar	Final Exam week	