

SIO 286: Marine Science, Economics & Policy
Marine Protected Areas
Winter 2018

Course Instructor:

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Schedule:

Time: Wednesday, 1:30-4:30pm

Location: 4500 Hubbs Hall

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 2018)

Date	Lecture topic	Guest presenter
10 Jan	MPA 101 – What do academics say about marine protected areas?	
17 Jan	Making the link between human capacity and economics	<i>Chris LaFranchi (OneReef)</i>
24 Jan	Protection of large areas – saving ‘pristine’ seas	
31 Jan	What are the advantages of spatial management relative to fisheries policy?	
7 Feb	Networks of protected areas – implemented from the ‘top-down’	
14 Feb	Networks of protected areas – implemented from the ‘bottom-up’	
21 Feb	From Stellwagen Bank to the South Pacific – lessons from across the globe	<i>Les Kaufman (Boston University and Conservation International)</i>
28 Feb	Managing for resilience (and reality) on Caribbean islands	<i>Mark Vermeij (University of Amsterdam & CARMABI [Curacao])</i>
7 Mar	How similar is lemur conservation and management of the ocean?	<i>Eleanor Sterling (American Museum of Natural History)</i>
14 Mar	<i>Class activity</i>	
18-22 Mar	Final Exam week	