

SIO 286: Marine Science, Economics & Policy
Marine Protected Areas
Winter 2019

Course Instructor:

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Key Contributor:

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Schedule:

Time: Monday, 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 2019)

Date	Lecture topic	Guest presenter
7 Jan	MPA 101 – What do academics say about marine protected areas?	
14 Jan	What are the advantages of spatial management relative to fisheries policy?	<i>Lyall Bellquist</i>
21 Jan	No class – <i>Martin Luther King, Jr. Holiday</i>	
28 Jan	Sharing the human dimension in regional marine management	<i>Eleanor Sterling (American Museum of Natural History)</i>
4 Feb	Making the link between human capacity and economics	<i>Chris LaFranchi (OneReef)</i>
11 Feb	‘Securing permanent, strong protection for the oceans’ most important places’	<i>Lance Morgan (Marine Conservation Institute)</i>
18 Feb	No class – <i>Presidents' Day Holiday</i>	
25 Feb	Managing for resilience (and reality) on Caribbean islands	<i>Mark Vermeij (University of Amsterdam & CARMABI [Curacao])</i>
4 Mar	Building marine protection through biological and social networks	<i>Mary Gleason (Nature Conservancy)</i>
11 Mar	Keeping track of what we have protected	<i>Liz Whiteman (CA Ocean Science Trust)</i>
16-23 Mar	Final Exam week	