Course Instructor:
Stuart Sandin, Scripps Institution of Oceanography
Office: Hubbs Hall 4150  Phone: (858) 534 4150  email: ssandin@ucsd.edu

Schedule:
Time: 9 – 11:50am, Monday
Location: IGPP 4301

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 2014)

<table>
<thead>
<tr>
<th>Date</th>
<th>Lecture topic</th>
<th>Guest presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 Jan</td>
<td>Introduction to MPA science &amp; practice</td>
<td>Brice Semmens (SIO)</td>
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<tr>
<td>13 Jan</td>
<td>Marine protection of the Channel Islands</td>
<td>Scott Hamilton (Moss Landing Marine Labs)</td>
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<td>20 Jan</td>
<td>Martin Luther King, Jr. Holiday</td>
<td>Assignment: TBD</td>
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<tr>
<td>27 Jan</td>
<td>Protection of large areas – saving ‘pristine’ seas</td>
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<td>3 Feb</td>
<td>Fishing and conservation – a case study of the Gulf</td>
<td>Brad Erisman (SIO)</td>
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<tr>
<td>10 Feb</td>
<td>Management in open ocean environments</td>
<td>Dale Squires (NOAA) &amp; Jean-François Pulvenis de Séligny (IATTC)</td>
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<tr>
<td>17 Feb</td>
<td>President's Day Holiday</td>
<td>Assignment: TBD</td>
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<td>24 Feb</td>
<td>Management by trophic group – herbivore protection</td>
<td>Russell Sparks (State of Hawaii, Division of Aquatic Resources)</td>
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<tr>
<td>3 Mar</td>
<td>Managing for resilience (and reality) on islands</td>
<td>Mark Vermeij (University of Amsterdam &amp; CARMABI [Curacao])</td>
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<tr>
<td>10 Mar</td>
<td>Re-thinking marine reserves in the Gulf of California</td>
<td>Octavio Aburto (SIO)</td>
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<td>17-22 Mar</td>
<td>Final Exam week</td>
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