

SIO 270 – Pelagic Ecology Spring 2015

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Lectures: Tu/Th 11-12:20 pm 100 Vaughan Hall
Discussion section: Mon. 1-2:30 pm 328 Vaughan Hall
Course web site: <https://ted.ucsd.edu>

<u>Date</u>	<u>Day</u>	<u>Lecturer</u>	<u>Module/Topic</u>
I. Patterns of Biodiversity (and underlying processes)			
31 Mar	Tu	Ohman	Pelagic Biodiversity and Biogeography - metazoans
2 Apr	Th	Allen	Pelagic Biodiversity and Biogeography – microbes I
7 Apr	Tu	Allen	Pelagic Biodiversity and Biogeography – microbes II
9 Apr	Th	Allen	Deep Chlorophyll Maximum Dynamics
14 Apr	Tu	Ohman	Spatial Pattern
16 Apr	Th	Ohman	Vertical Structure and Vertical Migrations
<i>1st paper due 21 April</i>			
II. Biogeochemical Cycles			
21 Apr	Tu	Kahru	Primary Production and Remote Sensing
23 Apr	Th	Ohman	Secondary Production
28 Apr	Tu	Ohman	Biogeochemical Cycles I
30 Apr	Th	Allen	Biogeochemical Cycles II
5 May	Tu	Allen	Meso- and Bathypelagic Processes
<i>2nd paper due 7 May</i>			
III. Food Webs			
7 May	Th	Allen	Co-occurrence Networks and Food Web Stability
12 May	Tu	Ballance	Higher Predators
14 May	Th	Allen	Selective Feeding – Chemical Signaling
19 May	Tu	Ohman	Trophic Cascades
21 May	Th	Werner	Modeling
26 May	Tu	Checkley	Fisheries Oceanography
<i>3rd paper due 28 May</i>			
IV. Changing Pelagic Ecosystems			
28 May	Th	Ohman	El Niño and Interannual Change
2 June	Tu	Ohman	Multi-Decadal Change
4 June	Th	Allen	Paleo Perspective
<i>4th paper due 12 June</i>			
12 June	Fr		Final Exam Due