

SIO 30 – SYLLABUS (Fall Q 2017)

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Teaching Assistants: TBD

Discussion sessions: A01 (1:00–1:50 p.m. M), A02 (3:00-3:50 p.m. M)
A03 (1:00-1:50 p.m. W), A04 (3:00-3:50 p.m. W)

Suggested reading: Garrison & Ellis, Oceanography, 9th (or older) Edition

Lectures

Marine Geology (Castillo)

Sept. 29 F Origin of the Earth and oceans
Oct. 2 M Introduction to Marine Geology
Oct. 4 W Plate Tectonics I
Oct. 6 F Plate tectonics II
Oct. 09 M Ocean basins & margins I
Oct. 11 W Ocean basins & margins II
Oct. 13 F Marine sediments I
Oct. 16 M Marine sediments II
Oct. 18 W EXAM I

Physical Oceanography I (Send) and Marine Chemistry (Castillo)

Oct. 20 F Physical properties of the ocean: temperature, salinity and density (Send)
Oct. 23 M Forces acting on the ocean: Coriolis and more (Send)
Oct. 25 W Forces in action: coastal upwelling and ENSO (Send)
Oct. 27 F Waves (Send)
Oct. 30 M Water & ocean chemistry I (Castillo)
Nov. 01 W Water & ocean chemistry II (Castillo)
Nov. 03 F Water & ocean chemistry III (Castillo)
Nov. 06 M Marine resources (Castillo)
Nov. 08 W Ocean and environment (Castillo)
Nov. 10 F VETERANS DAY
Nov. 13 M Tides (Send)
Nov. 15 W Global circulation patterns (Send)
Nov. 17 F EXAM II

Biological Oceanography (Holland)

Nov. 20 M History of biological oceanography
Nov. 22 W Who's who in the sea? I
Nov. 24 F Thanksgiving
Nov. 27 M Who's who in the sea? II
Nov. 29 W Life styles in the sea I
Dec. 01 F Life styles in the sea II
Dec. 04 M Life Styles in the Sea III
Dec. 06 W Economics of the sea
Dec. 08 F Humans and the Sea

Dec. 13 W 3:00-5:59 p.m. - FINAL EXAM