

SIO 30 – SYLLABUS (Fall Q 2016)

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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, Oceanography, 9th (or older) Edition

Lectures: Tentative Schedule

Marine Geology (Castillo)

Sept. 23 F Origin of the Earth and oceans
Sept. 26 M Introduction to Marine Geology
Sept. 28 W Plate Tectonics I
Sept. 30 F Plate tectonics II
Oct. 03 M Ocean basins & margins I
Oct. 05 W Ocean basins & margins II
Oct. 07 F Marine sediments I
Oct. 10 M Marine sediments II
Oct. 12 W EXAM I

Physical Oceanography I (Send)

Oct. 14 F Physical properties of the ocean: temperature, salinity and density
Oct. 17 M Forces acting on the ocean: Coriolis and more
Oct. 19 W Forces in action: coastal upwelling and ENSO
Oct. 21 F Waves
Oct. 24 M Tides
Oct. 26 W Global circulation patterns

Marine Chemistry (Castillo)

Oct. 28 F Water & ocean chemistry I
Oct. 31 M Water & ocean chemistry II
Nov. 2 W Water & ocean chemistry III
Nov. 4 F Marine Resources
Nov. 7 M Ocean & environment
Nov. 9 W EXAM II
Nov. 11 F VETERANS DAY

Biological Oceanography (Holland)

Nov. 14 M History of biological oceanography
Nov. 16 W Who's who in the sea? I
Nov. 18 F Who's who in the sea? II
Nov. 21 M Life styles in the sea I
Nov. 23 W Life styles in the sea II
Nov. 25 F THANKSGIVING HOLIDAY
Nov. 28 M Life Styles in the Sea III
Nov. 30 W Economics of the sea
Dec. 02 F Humans and the Sea

Dec. 07 3:00-5:59 p.m. - FINAL EXAM