Syllabus, ES 134, 2018, Coastal Processes
Professor Ed Keller
TA is Mr. Paul Alessio
Class Meets: W, F, 12:30 -1:45 pm; GIRV 2115
Office Hrs: TBA
First class: W, Jan 17
Last Class: F, March 16
Final Exam: Tuesday March 20, Noon to 3pm

Schedule

W Jan 17, (L 1) Introduction: Coastal Growth (Griggs Ch 1)
F Jan19, (L 2) Coastal Classification, Tides, Coastal Ecosystems, Invasive Species (Griggs Chs 1 and 16)
W Jan 24, (L 3) Waves
F Jan 26, (L 4) Beach Processes and Erosion (Griggs Ch 4,Keller and De Vecchio Ch 11)
Beach/Tide Observation Exercise Jan 28 -31, Pick Days for photos on the beach
W Jan 31, wave exercise (on the beach)
F Feb 2, longshore transport exercise (on the beach)
W Feb 7, (L 5) Wetlands, estuaries, deltas
F Feb 9 (L 6) Coastal Management, El Nino, Wicked Problems
W Feb 14, (L 7) Climate Change and Rising Sea Level (Griggs Chs 5 and 13)
F Feb 16, (L 8) Coastal Hazards Earthquake, Tsunami, Hurricanes and Flooding (Griggs Chs 2 and 3,Keller and De Vecchio Ch 4)
W Feb 21, Midterm 1 Exam 9; Covers material to Feb 9)
F Feb 23, (L 9) Plastics, Ocean Pollution (Griggs Chs 6,7)
W Feb 28, (L 10) Energy, Groundwater, and Desalination (Griggs Chs 8-12)
F March 2, (L11) Coral Reefs Ocean Acidification an Overfishing (Griggs Chs 13- 15)
W Mar 7, (L 12) IV and Goleta Beach Management lecture
F Mar 9, Midterm 2 Exam; Covers material from Feb 14 to Mar 2
W Mar 14, Goleta Beach (on the beach)
F Mar 16 Review
Final Exam: Tuesday March 20 Noon-3pm; Comprehensive

Grades based on: Reports (group) 20%; Midterm 20% each; Final 40%