

## Physical Oceanography, Fall 2002 Reading schedule

Reading schedule subject to change.

Last updated

12/12/02

KN = Knauss, OC = Ocean Circulation, WT = Waves Tides & Shallow Water  
 Processes, PP = Pond and Pickard, DX = Duxbury, Hartmann = photocopied readings in solution binder (Gedanken Lab)

	Mon	Tue	Wed	Thurs	Fri	
Sept		2	3	4	5	Tides
Sept			10	Fluid dynamics. Total derivative	12	Eq. of motion (continuity)
Sept		Tides				
Sept			17	Eq. of motion (pressure grad)	19	Eq. of motion (Coriolus)
Sept			24	Inertial Circles and geostrophy	26	Geostrophy continued
Sept/Oct			1	Barotropic/clinic Hydrostatic balance	3	Friction
Oct		Friction cont.	8	Ekman theory	10	Ekman Theory
Oct		Fall Break		Ekman pumping	17	Ekman cont./ Sverdrup theory
Oct		Sverdrup theory	22	Midterm Exam	24	Sverdrup cont.
Oct/Nov			29	Vorticity Cont	31	Western boundary currents
Nov		Boundary currents cont.	5	Equation of State and Stability	7	Stability and Potential energy
Nov		Oceanography history	12	History	14	Cartography
Nov		Energy, black-body radiation	19	Energy balance of ocean and atmosphere	Local energy budget. 8pm meeting	Water masses
Nov		Thermohaline circulation	26	Thanksgiving Break		
Dec		Mixing diagrams	3	Modelling and Ar/N2 fluxes	5	No class
Dec		No Class	10	Return to Global radiation balance and Milankovitch	Reading period	
Dec		16	Exam Period			20
						Final Exam: Sat., December 21, 2:00pm