EOS 431/531 and PHYS 441: Physical Oceanography

Instructor: Johannes Gemmrich  
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Available for discussion after the lectures, or by appointment

Course information (UVic NetLink Id required), please check regularly:

http://web.uvic.ca/~gemmrich/EOS431/

Grading:

Assignments (~5): 50%
Term project: 40%
Reading/class discussion: 10%
Late hand in (without previous approval): -10% / day

Text book:  
Introduction to Geophysical Fluid Dynamics, 2nd edition,  
by B. Cushman-Roisin & J.-M. Beckers, Academic Press  
available at: UVic book store (hard copy, used or new)  
UVic library (electronic book)

Material on the course web page

Course outline:

1) Introduction to Physical Oceanography
2) Tracers in the ocean
3) Unstratified fluid  
   Equation of motion  
   Geostrophy, Ekman layer
4) Waves
5) Basin-scale dynamics
6) Stratified fluid
7) Buoyancy forcing  
   Estuarine circulation  
   Thermohaline circulation
8) Class presentations