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