

270.402: Introductory Dynamical Oceanography Spring Term 2004.

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This course is an introduction to dynamical oceanography and follows class 270.401 Introductory Physical Oceanography. We will learn about the dynamical basis for many features of the ocean's circulation, waves, and physical structure. Our classes will be based on discussions arising from Benoit Cushman Roisin's book "Introduction to geophysical fluid dynamics" [*Cushman-Roisin, 1994*].

We expect students to have taken 270.401, and/or have a good basic understanding of calculus through partial differential equations and fluid mechanics. Permission of the instructors is required, and the class will be graded based on homeworks and contributions during class. We will meet on Tuesdays and Thursdays at 13:00–14:30 in a seminar room in Olin Hall. The ethics guidelines at <http://ethics.jhu.edu> apply to this class.

References

Cushman-Roisin, B. *Introduction to geophysical fluid dynamics*. Prentice-Hall. 1994.