



OCE 6934/ Spring 2012

**Foundations of Biological and Fisheries Oceanography
CRN 25558, OCE 6934 Section 628**

Instructors: Kendra Daly, Mya Breitbart, Pam Hallock-Muller

Time: Friday, 10AM-12PM

Location: KRC 3120

Credits: 2

Recommended textbook: *Readings in Marine Ecology*, James W. Nybakken, 1971, Harper and Row, Publishers. Some used copies of this book are available on Amazon.com.

Other texts:

Biological Oceanography. An Early History, 1870-1960, Eric Mills, 1989, Cornell University Press.

Foundations of Ecology, Leslie A. Real and James H. Brown, 1991, University of Chicago Press.

Course objectives and requirements: The fields of Biological Oceanography and Fisheries Oceanography have a common background and early history. Significant research contributions and a diversity of approaches have shaped these fields. Many of the foundation concepts also derive from the field of ecology. This course will survey the historical development of critical concepts in these fields and examine recent papers that challenge established concepts or identify promising directions for future research. This course will primarily be a reading course, with students leading the discussion on assigned papers. The classic foundation papers and current papers will be provided. A term paper will be due at the end of the semester.