

**BOTANY/ZOOLOGY/FORESTRY 460 - GENERAL ECOLOGY  
READINGS FALL 2007**

**Reading:** The whole of the lecture text (*Ecology. Concepts and Application*, 4th ed. 2008. by MC Molles, Jr., McGraw Hill) is required reading. It is available at the University Bookstore; copies may also be available at Underground Text Exchange or from the web. Several scientific papers and essays, listed below and posted on the class web site, are assigned as required additional reading; you should obtain your own copies. Files in downloadable format or hot links to papers available in downloadable format on the web are available as Library e-reserves under 'Botany' through "My UW-Madison" Read text and papers by the date they are assigned in the lecture schedule. They may be covered on a lecture quiz that day. Be prepared to discuss papers on the dates indicated in the lab/discussion schedule. See "Strategies for Reading Scientific Papers" in the lab manual.

- Readings List** – pdfs or hot links posted on "My UW-Madison" course e-reserves for Bot/Zoo/For Ecol 460:
- Connell, JH. 1961. The Influence of interspecific competition and other factors on the distribution of the barnacle *Chthamalus stellatus*. *Ecology* 42: 710-723. <http://www.jstor.org/view/00129658/di960168/96p0060u/0>
- Currie, CR et al. 2006. Coevolved crypts and exocrine glands support mutualistic bacteria in fungus-growing ants. *Science* 311:81-83. [http://bio.kuleuven.be/ento/pdfs/currie\\_et\\_al\\_science\\_2006.pdf](http://bio.kuleuven.be/ento/pdfs/currie_et_al_science_2006.pdf)
- Jorgensen, J.C. and J.F. Kitchell. 2005. Growth potential and host mortality of the parasitic phase of the sea lamprey (*Petromyzon marinus*) in Lake Superior. *Canadian Journal of Fisheries and Aquatic Sciences* 62: 2343-2353.
- Kennedy, D. 2006. The new gag rules. *Science* 311:917.  
<http://www.sciencemag.org/cgi/content/summary/311/5763/917>
- Kerr, RA. 2005. Global climate change - the Atlantic conveyor may have slowed, but don't panic yet. *Science* 310:1403. <http://www.sciencemag.org/cgi/content/full/310/5753/1403>
- Kintisch, E. 2005. CLIMATE CHANGE: Global Warming Skeptic Argues U.S. Position in Suit. *Science* 308: 482. <http://www.sciencemag.org/cgi/content/full/308/5721/482>
- Klages, M. 2003. Postmodernism. Essay posted on personal web page. pdf  
<<http://www.colorado.edu/English/ENGL2012Klages/pomo.html>>
- Leopold, A. 1948. A Sand County almanac and sketches here and there. Forward. Pp. ix-xi. Oxford University Press, Oxford, UK. pdf
- Leopold, A. 1948. A Sand County almanac and sketches here and there. Odyssey. Pp. 104-108. Oxford University Press, Oxford, UK. pdf
- Leopold, A. 1948. 'Thinking like a mountain' and 'Escudilla.' excerpts from A Sand County almanac and sketches here and there, as pp. 3-6 in Dodson, SI, Allen TFH, Carpenter, SR, and others. 1999. Readings in Ecology. Oxford University Press, Oxford, UK. pdf
- Mladenoff, DJ et al. 1999. [Predicting Gray Wolf landscape recolonization: logistic regression models vs. new field data](http://www.jstor.org/view/10510761/di014623/01p0176u/0). *Ecological Applications* 9: 37-44.  
<http://www.jstor.org/view/10510761/di014623/01p0176u/0>
- Nielsen, R. 2006. EVOLUTION: Why sex? *Science* 311:960-961.  
<http://www.sciencemag.org/cgi/content/full/311/5763/960>
- Pastor, J et al. 1988. Moose, microbes, and the boreal forest. *BioScience* 38:770-777.  
<http://www.jstor.org/view/00063568/ap040317/04a00090/0?frame=noframe&userID=80681a5a@wisc.edu/01cce4403500501da65c2&dpi=3&config=jstor>
- Stokstad, E. 2005. Ginseng threatened by Bambi's appetite. *Science* 307:827.  
<http://www.sciencemag.org/cgi/content/full/307/5711/827a>
- Vitousek, PM, HA. Mooney, J Lubchenko, & JM Mellillo. 1997. Human domination of earth's ecosystems. *Science* 277:494-499. <http://www.sciencemag.org/cgi/content/full/277/5325/494>
- Walsh et al. 2006. Maladaptive changes in multiple traits caused by fishing: impediments to population recovery. *Ecology Letters* 9:142-148. <http://www.blackwell-synergy.com/doi/abs/10.1111/j.1461-0248.2005.00858.x>