

## CSS 235 EXAM 3 Study Guide Final Exam

Thursday, December 19, 2013 at 12:30 to 2:30 p.m. JEB 104

Most of the final exam will be on material covered since exam 2. However, some questions will cover a few important topics from earlier in the semester. These topics or readings are included in the study guide below.

**Lectures:** Know main themes, issues and key terms from each lecture.

1. **Environmental Justice:** What is environmental justice? What are some of the causes and what are some of the solutions?
2. **Sustainable Forestry:** What are the threats to sustainable forests? Does America have sustainable forests or sustainable forestry? What role can plantations play in sustainable forestry?
3. **Energy Development and the Long Emergency:** What are the problems with our appetite for oil? Even though we are discovering new sources of oil what are some of the looming problems we will still face? Can alternative energy save us?
4. **Sustainability:** What are the fundamental questions that must be answered about sustainability? What are some of the principles of sustainability?
5. **Ecological Restoration:** What are the benefits and challenges of restoration. Can we really restore an ecosystem? What is the human/societal role in restoration?
6. **Tools for Conservation:** If you can't afford to buy land in fee simple to protect it from development, is there anything else you can do to provide lasting protection? What is a conservation easement?
7. **What is the pristine myth?**
8. **What are some of the social science tools and research methods?**
9. **What are ecosystem services?**
10. **What do scientists say about climate change and the rate of change?**
11. Why is rangeland such an important consideration?

**Readings:** Know main themes, issues and key terms from each reading.

Brockerhoff, E., Jactel, H., Parrotta, J., Quine, C., Sayer, J., & Hawksworth, D. (2008). Plantation forests and biodiversity: Oxymoron or opportunity?. *Biodiversity and conservation*, 17(5), 925-951. (Only read pages 925-36 & 945-46)

Cowles, Paul. 1996. Chapter III. A Synthesis of the Concept of Sustainability from an Ecosphere View (pp. 1, 9-27). In: Principles of Sustainability and Their Potential Application in East African Protected Area Management Planning. University of Idaho, MS professional paper. Major professor, Dr. Ed Krumpe

Haider, W. & Morford, S. (2004). Relevance of social science to the management of natural resources in British Columbia. *BC Journal of Ecosystems and Management*, 4(1), 1-11.

High Country News articles:

1. "Power Play"
2. "Lifblood of the Delta"
3. "Forbidden Waters"
4. "Powering Forward"
5. "Ecosystems 101"

Glennon- The Worth of Water in the United States

Kreitzman, L. (2009, May 5). Guest column: A world out of time. *The New York Times*.

Kunstler, J. (2005, March 23). The long emergency. *Rolling stone magazine*, (971), 45-48. Retrieved from <http://www.energybulletin.net/stories/2005-03-24/long-emergency>

Lackey, Robert T. Salmon in Western North America: Assessing the Future. From: Encyclopedia of Earth. Ed: Cutler J. Cleveland. Publ: Environmental Information Coalition. Washington D.C. 2008. 11p. (Handout only)

Leopold, Aldo. Thinking Like a Mountain & A Land Ethic. Excerpts. From: A Sand County Almanac and Sketches Here and There. Publ: Oxford University Press. Oxford. 1987. p. 129-133, 201-227.

McKibben, Bill. Excerpts. From: Deep Economy: The Wealth of Communities and the Durable Future. Publ: Times Books. New York. 2007. p. 25-45.

Mann, C. (2002, March 07). 1491. *The atlantic monthly*, 289(3), 41-53.

McQuaid, J. (2009, January). Mining the mountains. *Smithsonian magazine*, 39(10), 74-85.

Oreskes, N. (2004). The scientific consensus on climate change. *Science*, 306, 1686.

Rikoon, J. S. (2006). Wild horses and the political ecology of nature restoration in the Missouri Ozarks. *Geoforum*, 37(2), 200-211.

Shephard, A. & Ring, R. (2010, February 01). The environment ... is where we live. *High country news*, 42(2).

Shifley, S. (2006). Sustainable forestry in the balance. *Journal of forestry*, 104(4), 187-195.

Whisenant, S. (2011). Perspectives. *Ecological restoration*, 29(4), 319.

White, M. (2008, November). Borneo's moment of truth. *National geogrphic magazine*, 214(5), 35-55.