

Water DeCal

Course Syllabus

Instructor of Record:	Michael Hanemann	
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Lecture:	Monday 6-8 283 Dwinelle Hall	

Summary

This course will recognize the social, political, economical, and environmental impacts of water resources management. The world population is increasing and underdeveloped countries are industrializing. As this is compounded with climate changes, access to clean and sufficient levels of water will continue to significantly challenge future generations around the world. Through guest speakers, films, article presentations, fieldtrips, and research, students will be given the opportunity to explore and discuss many different aspects of this pristine natural resource, concentrating on water conservation and recycling technologies.

Objectives

The goal of the course is to provide students the opportunity to increase their breadth and depth of knowledge in the area of local and global water resources management. By the end of the course, students will be equipped with the personal skills necessary to assess water issues and to contribute towards water conservation and recycling.

Ground Rules

Be respectful to your fellow classmates and guest lecturers.

Please let us know beforehand if you need to leave early, before class ends or during a guest lecture.

Grading Evaluation

Grading for this course is arranged on a "Pass / No Pass" basis ("Pass" is 70% C or better).

- 30% Attendance
- 25% Participation
- 10% Article report
- 35% Water Audit

Class Requirements (to receive a pass)

1. Attendance
 - a. Please sign in at the beginning of every class.
 - b. A maximum of 2 unexcused absences are allowed.
2. Participation in discussions and projects
3. Completion of class assignments
 - a. Assignment topics must be pre-approved by a facilitator.
 - b. Make up assignments may be arranged with a facilitator. Make up assignments consist of a 2 page (1 page both sides) paper about what you learned or what you found interesting.
 - c. Please note that plagiarism is not tolerated as it is also school policy.

Assignments

- 1. Article Report (required)** – During the second week of class, each student will sign up for a day to bring in a current article related to water issues. Students will submit a written 500 word report and present a brief summary of the article, highlighting some of the key concerns and interesting findings within in the article. Participation in this discussion will count towards your grade.
- 2. Water Audit (required)** – Each student will record their total water use each day for one week.

Additional Resources

Books

Water Wars: Privatization, Pollution, and Profit by Vandana Shiva
Water: The Fate of Our Most Precious Resource by Marq de Villiers
Bottlemania: How Water Went on Sale and Why We Bought It by Elizabeth Royte
Water for Sale: How Business and the Market Can Resolve the World's Water Crisis by Fredrik Segerfeldt
Blue Gold: The Fight to Stop the Corporate Theft of the World's Water by Maude Barlow
Blue Covenant: The Global Water Crisis and the Coming Battle for the Right to Water by Maude Barlow
Water Follies: Groundwater Pumping and The Fate of America's Fresh Waters by Robert Glennon
When the Rivers Run Dry: Water – The Defining Crisis of the Twenty-First Century

Websites

All About Water	http://www.allaboutwater.org/
Water Education Foundation	http://www.water-ed.org/
Berkeley Water Center	http://bwc.berkeley.edu/home/
The Pacific Institute	http://www.pacinst.org/
California Urban Water Conservation Council	http://www.cuwcc.org/
Clean Water Action	http://cleanwater.org/
Food and Water Watch	http://foodandwaterwatch.org
Save Our Water	http://www.saveourh2o.org/
Water Reuse	http://waterreuse.org

Blogs

Waterblogged	http://waterblogged.info/
Aquaforia	http://aquaforia.com/
Aguanomics	http://aguanomics.com/
City Brights	http://www.sfgate.com/cgi-bin/blogs/gleick/index?

Events

East Bay Drinks	http://www.eastbaydrinks.org
California Colloquium on Water	http://www.lib.berkeley.edu/WRCA/ccow.html

Schedule

Date	Topics	Assignments
Week 1* 8/31	Welcome Course overview and expectations Basics of water	
Week 2 2/3	<i>ACADEMIC & ADMINISTRATIVE HOLIDAY</i>	Article Presentation Sign Up (online)
Week 3 9/14	Contemporary Water Issues Guest Speaker – Dr. Michael Hanemann UCB Agricultural and Resource Economics Professor	1st Article Presentation
Week 4 9/21	Water Rights Guest Speaker – Damian Bickett UCB Agricultural and Resource Economics PhD Candidate	2nd Article Presentation
Week 5 9/28	Thirst (http://www.thirstthemovie.org/) Video – Whether water a universal right or is water a tradable commodity to be sold in the global marketplace	3rd Article Presentation
Week 6 10/5	Thirst (continued) & discussion	4th Article Presentation
Week 7 10/12	California Water Conveyance Guest Speaker – Richard Norgaard UCB Energy and Resources Group Professor	5th Article Presentation
Week 8 10/19	Economics of Water Guest Speaker – David Zetland UCB Agricultural and Resource Economics Postdoctoral Fellow	6th Article Presentation
Week 9 10/26	Flow: For Love of Water (http://www.flowthefilm.com/) Video – Dealing with the socioeconomic and environmental costs of the world water crisis	7th Article Presentation
Week 10 11/2	Flow (continued) & discussion	8th Article Presentation
Week 11 11/9	Water and Energy Water treatments, desalination, bottling, etc.	9th Article Presentation
Week 12 11/16	Wurster Hall Water Recycling Guest Speaker – Vicki Elmer UCB City and Regional Planning Lecturer	10th Article Presentation
Week 13 11/23	Green Suite Tour Tour the global environment theme house and learn about water saving technologies that can be implemented at home	Water Audit Due (online)
Week 14 11/30	Campus Groundwater Quality Guest Speaker – Tim Pine UCB Office of Environment & Health Environmental Specialist	11th Article Presentation
Week 15 12/7	<i>LAST DAY</i>	12th Article Presentation

*Attendance to weeks 1-3 is necessary to stay enrolled in the course. Those who fail to appear will be dropped.