

COURSE SYLLABUS:

WATER SCARCITY ISSUES UNDERSTANDING THE RELATIONSHIP BETWEEN HUMANS, NATURAL ECOSYSTEMS AND WATER

SPRING 2003, PHIL 5960, BIOLOGY 5900, Three (3) Credit Hours.
Library Philosophy Dept, M/(W) 15.00 ñ 16.20 Hours

Professors: Dr. Irene J. Klaver, UNT, Philosophy (565-3331); klaver@unt.edu
Dr. Thomas W. La Point, Biological Sciences (369-7776); lapoint@unt.edu

COURSE TEXTS:

Barlow M. and Clarke T. 2002. Blue Gold. The New Press, New York, NY. 278p.
tc \1 "Illich, I. 1985. H2O and the Waters of Forgetfulness. Heyday Books, Berkeley, CA. 92p. Illich, I. 1985. H2O and the Waters of Forgetfulness. Heyday Books, Berkeley, CA. 92p. tc \1 "Illich, I. 1985. H2O and the Waters of Forgetfulness. Heyday Books, Berkeley, CA. 92p. tc \1 " Postel S. 1999. Pillar of Sand. W.W. Norton & Company, New York, NY. 313p.
Reisner M. 1993. Cadillac Desert. Penguin Books, New York, NY. 582p.
Ward DR. 2002. Water Wars: Drought, Flood, Folly and the Politics of Thirst. Penguin Putnam Press, New York, NY. 280p.

HANDOUTS:

Voluminous!

OPTIONAL; RECOMMENDED BUT NOT REQUIRED:

See list of suggested readings in Water Scarcity Issues.

VIDEOS:

Cadillac Desert Series. Four PBS videos. (NB program 4: Sandra Postel (55 min)
(Chilton Media Library MV 4247 V. 4)

GRADING:

Grades will be determined by a combination of the following components.

I. (20%) Participation in, and leading discussions on, the required readings and participation in discussions. Graduate Students will be providing literature presentations on the books for this class. Presentations include writing a 1-2 page summary and distributed to the class.

II. (10%) Student should collect news paper and/or journal articles about water issues on a regular basis. Follow leading news papers, such as the new York Times, Washington Post, Dallas Morning News and magazines for Water-news.

III. (35%) Course paper or "project" required by the end of the Spring Mini semester. The content and format of the course paper or project must be agreed on by the student and faculty by the end of Spring Break (March 24, 2003) This allows each student plenty of time to think about their project, get information, and write the paper or "polish" the project. Here too, there will be separate expectations for graduate and undergraduate students. Collaboration is encouraged, especially between two students of different disciplines.

IV. (35%) Field Trip: Visiting water projects.

COURSE SCHEDULE to \12 "COURSE SCHEDULE

MONDAY, JAN 13: Introduction and Overview of Course;

WEDNESDAY, JAN 15: Streams, Rivers & Reservoirs I: Watersheds and their Drainages

MONDAY, JAN 20: Martin Luther King Day: No Class

WED, JAN 22: Streams, Rivers & Reservoirs II: Theories of Community Composition

MONDAY, JAN 27: Streams, Rivers & Reservoirs III: Linkages Between Land and Water

WEDNESDAY, JAN 29: Barlow and Clarke: Blue Gold: Chapters 1 through 3.

MONDAY, FEB 3: Barlow and Clarke: Blue Gold: Chapters 4 through 7.

WEDNESDAY, FEB 5: Barlow and Clarke: Blue Gold: Chapters 8 through 10.

MONDAY, FEB 10:

Selected Readings from Water, Culture, & Power, Local Struggles in a Global Context, eds. John M. Donahue and Barbara Rose Johnston (Washington: Island Press, 1998) Guest Presentation by one of the editors, John M. Donahue, Ph.D., Professor of Anthropology of Trinity University, San Antonio. We will definitely read his chapter (Ch 10) from the book "Water Wars in South Texas: Managing the Edwards Aquifer."

WEDNESDAY, FEB 12: Postel: Pillar of Sand I: Chapters 1 through 5.

MONDAY, FEB 17: Postel: Pillar of Sand II: Chapters 6 through 8.

MONDAY, FEB 24: No Class: Snow/Ice Day

MONDAY, MAR 3: Postel: Pillar of Sand III: Chapters 9 through 11.

MONDAY, MAR 10: Reisner: Cadillac Desert I: Intro, Chapters 1 through 5; pp. 1-169

MONDAY, MAR 17: SPRING BREAK, NO CLASS

MONDAY, MAR 24: Reisner: Cadillac Desert II: Chapters 6 through 9; pp.169-332

MONDAY, MAR 31: Reisner: III: Chapters 10 through Afterword; pp. 332-521

WEDNESDAY, APR 9: Ward: Water Wars: Chapters 1 through 3

MONDAY, APR 14: Ward: Water Wars: Chapters 4 through 6

MONDAY, APR 21: Ward: Water Wars: Chapters 7 through Epilogue

MONDAY, APR 28: Wrap up of theoretical part of the course. Preparation Field Trip

WEDNESDAY, APR 30: FINAL PAPER DUE.

MONDAY MAY 12- THURSDAY MAY 15 FIELD TRIP

Monday, May 12th 2003

8.15 Meet at the back of the EESAT building to load up the van.

8.30 Departure

Visit Waco, talk by Robert Doyle, Baylor Campus.

Overnight in Pedernales Falls State Park, Park phone number: (830)868-7304

Tuesday, May 13th 2003

Austin TCEQ

Overnight in Guadalupe River State Park, Tel: 830- 438 2656

Wednesday, May 14th 2003

9.00 leave for Trinity University in San Antonio

10.00-12.00 Talk about scientific studies on the Edwards aquifer by George B. Ozuna

U.S. Geological Survey, Office Chief

12.00-1.00 lunch

1.00-3.30 Carol and Kirk Patterson, Edwards Aquifer Authority Board.

3.30-5.30 Visit Blue Hole springs, Headwaters of San Antonio; River Walk

5.30 Diner at El Mirador, TexMex downtown in San Antonio

Overnight in Guadalupe River State Park, Tel: 830- 438 2656

Thursday, May 15th 2003

Leave for Wetlands in Dallas

5.00 pm back at the EESAT building