

DRAFT

University of California Center Sacramento (UCCS)

**POLITICAL SCIENCE 107/SCIENCE AND SOCIETY 190X.
SCIENCE AND THE FUTURE OF CALIFORNIA: ENVIRONMENT, HEALTH,
SECURITY
Syllabus for Summer 2007**

Faculty: Geoffrey Wandesforde-Smith, gawsmith@ucdavis.edu
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Class Meetings: Mondays, 9:30 to 11:30 am and Fridays, 10:00 to 11:30 am
UCCS Conference Room

Course Objectives: This course develops and applies a framework for environmental policy analysis, emphasizing the ways in which collaborative public management increasingly draws from science and politics to shape the future of California. The course is also an opportunity for students to examine in detail the collaboration structures and processes associated with an issue they select as important to the future of the state's environment, health, and security. In addition, the course distinguishes, across various resources, the ways California is trying to modify its existing high levels of consumption and move toward more sustainable patterns of growth.

Student Outcomes: At the end of the course, students will have:

- Improved their ability to design and execute substantial analysis projects
- Greater confidence in preparing for and making public presentations
- Enhanced leadership potential for collaborative public management
- Increased understanding of key California science and environment issues

Texts: Recommended for purchase, except as noted.

Steven Cohen, *Understanding Environmental Policy* (Columbia University Press, 2006)

Rosemary O'Leary, Catherine Gerard, and Lisa Blomgren Bingham, *Collaborative Public Management* (American Society for Public Administration, 2006) (Selected articles supplied by UCCS)

Craig Thomas, *Bureaucratic Landscapes: Interagency Cooperation and the Preservation of Biodiversity* (MIT Press, 2003)

Peter Schrag, *California: America's High-Stakes Experiment* (University of California Press, 2006)

The following should be basic reference texts in every student's library:

Eugene Bardach, *A Practical Guide for Policy Analysis*, 2d ed. (CQ Press, 2005)

Joseph Gibaldi, *MLA Handbook for Writers of Research Papers*, 5th ed. (MLA 1999)

Course Schedule: Dates and assignments are subject to change.

A. The Common Core: Public Policy Analysis. Mondays, 9:30 to 11:00 am

Week 1, JUN 18 Introductory Overview: Principles of Policy Analysis (Amos and Dymski)

Week 2, JUN 25 California: An Open, Chronic-Growth Political Economy (Dymski)

Week 3, JUL 02 A Powerful Cocktail: The Media, Politics, and Policy in California (Block)

Week 4, JUL 09 Seeking Green and Finding Gold: Environmental Policy Analysis for California (Wandesforde-Smith)

Week 5, JUL 16 Science and Technology as Drivers of California Policy Change (Kleeman)

Week 6, JUL 23 Policy Changes for the Future of California, 1: Reforming the Political Process (Block)

Week 7, JUL 30 Peer-to-Peer Policy Analysis Feedback Session

Week 8, AUG 06 Policy Changes for the Future of California, 2: Finding the Road to Sustainability (Kleeman and Wandesforde-Smith)

Week 9, AUG 13 Policy Changes for the Future of California, 3: Social Policy, Education, and Infrastructure (Dymski)

B. Environment, Health, and Security Policy (UCD 107/190X). Fridays, 10:00 to 11:30 am

Week 1, JUN 22 Structural Analysis of Environmental Policy Innovations in California: History, Agencies, Groups, Conflict, Collaboration, and Leadership

Week 2, JUN 29 Science, Values, and Governance Issues in California Environmental Policy: Time Series and Cross Sectional Variables in Bay-Delta Water Policy

Week 3, JUL 06 Environmental Policy as Good Business Sense: Greening for Economic Efficiency and Maximum Returns on Investment in Building and Construction

Week 4, JUL 13 Short “five minute” oral presentations of research paper proposals in extended session, with refreshments

Week 5, JUL 20 Environmental Policy as Applied Science and Technology: Greening Vehicle Fuels with a Renewable Diesel Standard

Week 6, JUL 27 Environmental Policy as Human Health and Safety: Greening Food Production and Certifying Organics

Week 7, AUG 03 Peer-to-Peer Policy Analysis Review and Feedback

Week 8, AUG 10 Environmental Policy as Ecological Protection: Greening Fisheries and Recreation in California Coasts and Seas

Week 9, AUG 17 Environmental Policy as Global Citizenship: Greening California’s Footprint in the Face of Uncertain and Contested Science

Course Requirements: Students must attend and take an active part in all class sessions and seminars and are responsible for scheduling and attending tutorial sessions. Several worksheets must be completed, as well as step by step assignments tied to the design, drafting, and completion of the research paper. Course credit is allocated up to a total of 100 as follows:

Attendance and participation in classes and tutorials with faculty, 10;

Completed worksheets, 10; Research topic outline and preliminary oral presentation, 10; Research paper draft, 20; Formal presentation of research paper, 20; Final research paper, 30.

The research paper draft will be evaluated for responsiveness to instructions, analytical clarity, and completeness. The formal oral presentation will be evaluated for preparation, presentation, and discussion. The final paper will be somewhere between 5,000 and 8,000 words (16 to 26 double-spaced pages) and will be evaluated for analytical clarity and the quality of presentation (grammar, spelling, punctuation, use of figures and tables to summarize evidence, appropriate use of footnotes and references).

Course Assignments (Reading, Writing, and Presentation):

A. The Common Core: Public Policy Analysis.

Week 1 JUN 18 Reading: Schrag (entire)

Worksheet 1. Distributed June 18 and due June 25 at the start of class

Mandatory get acquainted meeting with Professors Wandesforde-Smith and Kleeman

Week 2 JUN 25 Reading: Bardach, Part 1 and Cohen (entire)

Worksheet 2. Distributed June 25, due July 2

Week 4 Mandatory meeting with Professor Wandesforde-Smith during this week

JUL 12 by 5:00 pm. Topic summary for research paper is due, with citations

Week 8 AUG 6 by 5:00 pm. First draft of research paper is due

Reading: Ellen Hanak and Mark Baldassare, *California 2025: Taking on the Future* (PPIC, 2005). Online at <http://www.ppic.org/main/publication.asp?i=489>

Week 9 Mandatory meeting with Professor Wandesforde-Smith on progress and problems with the final research paper during this week

Week 10 Tuesday-Thursday, August 21-23. Formal presentations of research papers

Reserve 9:00 am to 5:00 pm on these dates to make and hear presentations

August 23 at 5:00 pm. Final copy of research paper is due.

B. Environment, Health, and Security Policy (UCD 107/190X).

Week 2 JUN 29 Reading: Thomas (entire)

Worksheet 1. Distributed June 25 and due July 2 at the start of class

Week 3 JUL 06 Reading: Ellen Hanak and Mark Baldassare, *California 2025: Taking on the Future* (PPIC, 2005). Online at <http://www.ppic.org/main/publication.asp?i=489>

Week 5 JUL 20 Reading: California Biomass Collaborative, *Biomass in California: Challenges, Opportunities, and Potentials for Sustainable Management and Development* (California Energy Commission, 2005). Online at

http://biomass.ucdavis.edu/pages/reports/CBC_BiomassInCA_v0605.pdf

Worksheet 2. Distributed July 16 and due on July 23

Week 6 JUL 27 Reading: Stephanie Jillian, *Federal Regulation of Organic Food: A Research Guide for Legal Practitioners and Food Industry Professionals* (National Agricultural Law Center, 2006). Online at

http://www.nationalaglawcenter.org/assets/articles/jillian_organicregulation.pdf , Errol

Meidinger, *Multi-Interest Self-Governance Through Global Product Certification Programs* (Buffalo Legal Studies Research Paper, 2006). Copies provided.

*Find and visit the web site of the California Organic Program.

Week 8 AUG 09 Reading: California Resources Agency and California Environmental Protection Agency, *Protecting Our Ocean: California's Action Strategy* (Resources Agency, 2004). Online at http://resources.ca.gov/ocean/Cal_Ocean_Action_Strategy.pdf

*Find and visit the web site of the California Ocean Science Trust

Worksheet 3. Distributed July 30 and due August 6

Week 9 AUG 16 Reading: David Roland-Holst, *Economic Growth and Greenhouse Gas Mitigation in California* (California Climate Change Center, UC Berkeley, August 2006). Online at http://calclimate.berkeley.edu/Growth_Strategies_Full_Report.pdf

*Find and visit the web site of the California Climate Change Portal