

ORIGINATOR'S SECTION:

1. College: CHABSS CoBA
 CoEHHS CSM

Desired Term and Year of Implementation (e.g., Fall 2008):

2. Course is to be considered for G.E.? (If yes, also fill out appropriate GE form*) Yes No

3. Course will be a variable-topics (generic) course? Yes No
 ("generic" is a placeholder for topics)

4. Course abbreviation and Number:* WTRM 421

5. Title: (Titles using jargon, slang, copyrighted names, trade names, or any non-essential punctuation may not be used.)
 Environmental Issues, Policies, & Regulations for Water Managers

6. Abbreviated Title for PeopleSoft:
 (no more than 25 characters, including spaces)
 Environ. Water Issues

7. Number of Units: 3

8. Catalog Description: (Not to exceed 80 words; language should conform to catalog copy. Please consult the catalog for models of style and format; include all necessary information regarding consent for enrollment, pre- and/or corequisites, repeated enrollment, crosslisting, as detailed below. Such information does not count toward the 80-word limit.)
 Examines federal, state, regional, local, and special district governance with respect to environmental water issues and policies that have been enacted and implemented with emphasis on the American West.
 Prereq: WTRM 401

9. Why is this course being proposed?
 This course will be a required course for the Certificate of Water Resources Management & Leadership for intermediate managers in the water industry. Knowledge of environmental issues, policies and regulations is integral to the role of a manager in the water industry.

10. Mode of Instruction*
 For definitions of the Course Classification Numbers:
http://www.csusm.edu/academic_programs/curriculumschedu ling/catalogcurricula/DOCUMENTS/Curricular_Forms_Tab/Instructional%20Mode%20Conventions.pdf

Type of Instruction	Number of Credit Units	Instructional Mode (Course Classification Number)
Lecture	3	02
Activity		
Lab		

11. Grading Method:*
 Normal (N) (Allows Letter Grade +/-, and Credit/No Credit)
 Normal Plus Report-in-Progress (NP) (Allows Letter Grade +/-, Credit/No Credit, and Report-in-Progress)
 Credit/No Credit Only (C)
 Credit/No Credit or Report-in-Progress Only (CP)

12. If the (NP) or (CP) grading system was selected, please explain the need for this grade option.

13. Course Requires Consent for Enrollment? Yes No
 Faculty Credential Analyst Dean Program/Department - Director/Chair

14. Course Can be Taken for Credit More than Once? Yes No
 If yes, how many times? (including first offering)

15. Is Course Crosslisted: Yes No
 If yes, indicate which course and check "yes" in item #22 below.

16. Prerequisite(s): Yes No
 MGMT 482/WTRM 401 – Survey of Water Management Fundamentals and Practice in California

* If Originator is uncertain of this entry, please consult with Program/Department Director/Chair.

17. Corequisite(s): Yes No

18. Documentation attached: Syllabus Detailed Course Outline

19. If this course has been offered as a topic, please enter topic abbreviation, number, and suffix:*

20. How often will this course be offered once established? * Once every academic year.

PROGRAM DIRECTOR/CHAIR - COLLEGE CURRICULUM COMMITTEE SECTION:
(Mandatory information – all items in this section must be completed.)

21. Does this course fulfill a requirement for any major (i.e., core course or elective for a major, majors in other departments, minors in other departments)? Yes No

If yes, please specify:

22. Does this course impact other discipline(s)? (If there is any uncertainty as to whether a particular discipline is affected, check "yes" and obtain signature.) Yes No

If yes, obtain signature(s). Any objections should be stated in writing and attached to this form.

ENVIRONMENTAL STUDIES Discipline

Signature: PI STT Date: 2/2/16 Support Oppose

Discipline _____ Signature _____ Date _____ Support _____ Oppose _____

SIGNATURES : (COLLEGE LEVEL):

1. Originator (please print or type name) Alan K. Styles Date 12-17-15

2. Program Director/Chair [Signature] Date 12-17-15

3. College Curriculum Committee [Signature] Date 12-21-15

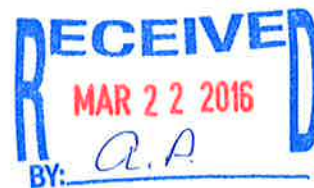
4. College Dean (or Designee) [Signature] Date _____

(UNIVERSITY LEVEL)

5. UCC Committee Chair _____ Date _____

6. Vice President for Academic Affairs (or Designee) _____ Date _____

7. President (or Designee) _____ Date _____



* If Originator is uncertain of this entry, please consult with Program/Department Director/Chair.

DRAFT 2AUG2015

College of Business Administration
California State University - San Marcos
Fall 2016

Certificate of Water Resources Management & Leadership
MODULE 2 Environmental Issues, Policies, & Regulations for Water Managers

Course Instructor: A. Lee Brown, Jr. *Ph.D.*
Class Room: TBA
Class Meeting Time: Wednesday 6:00pm – 8:50 pm 31AUG2016 - 7DEC2016
Office: TBA
Office Hours: Wednesday 5:30pm – 6:00pm and by appointment
Phone: (760) 304-4291
E-mail: lbrown@csusm.edu

COURSE DESCRIPTION:

Module 2 prepares future water managers to know the fundamentals of environmental regulations with respect to water. To accomplish this goal it reviews environmental policies and regulations from two perspectives: as a Process and as Product. As a process we focus on the way in which environmental issues gather steam are debated and developed by a number of institutions. Making policy in America's unique blend of federalism and separation of power may sound like a good idea but given this fragmented nature of governing it is a system also fraught with fragmentation, delay, and dilution. A mature insight into the process recognizes that with multiple points of access the real power is more to be able to stop something that push it through to legislation or agency rulings. Absent disciplined political parties, environmental issues tends toward reactive policies and crisis management rather than long term deliberative and proactive activity. Understanding the full extent of these principles opens the door to a more detailed discussion of water and the policy milieu.

The remainder of the course looks at actual products delivered in terms of key legislative acts, judicial decisions, and agency policies with respect to water. Of particular interest will be the nexus of water and environment with the command and control period producing over a dozen significant regulatory policies. Today, these national, state, and regional rules & rulings have a huge impact upon water quality, endangered species, wild and scenic rivers, drinking water, agriculture, recreation, municipal and industrial uses and public access to environmental choices.

MODE OF DELIVERY:

Lecture supported by audio-visual technology. Guest speakers where appropriate and occasional field trip.

COURSE STUDENT LEARNING OBJECTIVES:

General:

Students will gain a general knowledge of federal, state, regional, local, and special district governance with respect to environmental water issues and policies that have been enacted and implemented with emphasis on the American West.

Specific:

- Learn the primary doctrines of federal and state water law
- Be able to explain the constitutional principles of federalism and separation of powers in creating a unique policy process often difficult to understand.
- Understand the major classifications of environmental policy based on who benefits & who pays

- Know the concepts of lentic and lotic water bodies and current issues associated with each category
- Be familiar with the major pieces of environmental legislation in American history affecting contemporary distribution of water supply and quality
- Understand the fundamentals of primary research design and methods used by policy analysts to gauge if a policy is achieving stated goals
- Acquire a technical vocabulary as it relates to aquatic regimes on a landscape level

COURSE MATERIALS AND OTHER REQUIRED MATERIALS:

Required:

David Carle, *Introduction to Water in California*; (Berkeley Univ. of California Press, 2009) ISBN 978-0-520-26016-0

Sarah Bates et. al., *Searching Out the Headwaters: Change and Rediscovery in Western Water Policy*; (Island Press, Wash. D.C. 1993) ISBN 1-55963-217-8

Additional Required Resources:

The instructor(s) will post class materials and grades on the Cougar Courses site for the course accessible ONLY to students enrolled in this course. You are expected to access this website on a regular basis. ***You MUST have access to a reliable Internet connection and computer for this course.***

Additional Readings:

Course instructor(s) may post articles or other material to the Cougar Courses site that will be referred to during this course.

PREREQUISITES:

Admittance to the Extended Learning Certificate Program

STUDENTS WITH DISABILITIES:

Students with disabilities who require academic accommodations must be approved for services by providing appropriate and recent documentation to the Office of Disabled Student Services (DSS). This office is located in Craven Hall 4300, and can be contacted by phone at (760) 750-4905, or TDD (760) 750-4909. Students authorized by DSS to receive accommodations should meet with me during my office hours or in a more private setting in order to ensure your confidentiality.

CONDUCT OF CLASS:

This class will utilize a mixture of lecture, in-class discussions, online formats and guest speakers for coverage of topics. Success in this class will require active learning by participants and professors. Keeping current with assigned reading and class participation is important and participation extends beyond class attendance to include asking questions (in and out of class), involvement in class discussions and identifying current examples relevant to the course subject matter.

Students are expected to act in a professional manner at all times during class. You are expected to be familiar with the University Code of Conduct (http://www.csusm.edu/academic_programs/catalog/).

As a common courtesy to classmates, guests, and your professor all cell/digital phones, and other electronic devices MUST be turned OFF before entering the classroom.

No recording of the class (or broadcast in any form) allowed without prior written permission of the instructors.

GRADING:

Your final grade in this course will be determined based on the following:

Mid Term Take Home Exam	40%
Final Take Home Exam	40%
Occasional Assignments, homework & class participation	10%
Total	<u>100%</u>

Grade of

A	90-100%
B+	86-89%
B	80-85%
C+	76-79%
C	70-75%
D	60-69%
F	< 60%

REPORTING OF GRADES:

Students can access their personal grade during the course at the Cougar Courses site for this course. We will not provide scores for any assignment, exam, or quiz via the telephone or e-mail. Please present all questions regarding grading of an assignment or examination in writing for our review no later than two weeks after the assignment/examination was due.

ACADEMIC DISHONESTY:

All students are expected to be academically honest. Reasonable efforts will be taken to discourage cheating. Please refer to the University Code of Conduct and Code of Academic Honesty. Any student violating the Code of Conduct and/or Code of Academic Honesty will be reported to the Office of the Dean of Students and the instructor will request the most severe sanctions available to the Dean of Students. Pay particular attention to plagiarism and unauthorized co-operation with other students when completing class assignments. It is your responsibility to be aware of the Code of Conduct and Code of Academic Honesty and understand clearly what constitutes violations such as plagiarism – ignorance is not an excuse! If you have any questions on academic honesty issues in this course, do not hesitate to contact me.

TENTATIVE CLASS SCHEDULE:

Class	Topic	Reading	Assignment
31AUG	Definitions of "Environmental" and "Policy" Introduction of Policy as Process & Product American Constitutional Principles that Affect Western Water Policy	Excerpt from Rules & Conflict on 9 Cell Matrix	Write a one sentence definition of "Policy"
7SEPT	Concept of "Nine Cell Matrix" Emphasize How Fragmentation & Decentralization Tends to Structure Power Blocs & Specialization in Policy Setting; Use US Departments of Agriculture, Interior, and Commerce as examples of key line agencies affecting water based issues; Explain the relationship between national and state governments is federalist while the relationship between state and local governments is unitarian;	Excerpt from Rules & Conflict Bureaucracy HO Chapter 1 Carle	None: Extra credit for attending 9SEPT Forum on Psychology of Water

14SEPT	Four Eras of American Environmental and Water Resources Policy.	Handout from Rosenbaum	
21SEPT	Panel Discussion by Guest Speakers		
28SEPT	Concept of a Policy Cycle and the hypotheses of Lowi, Fisher, McConnell, and Wilson;	Chapter 2 Carle	
5OCT	General Principles of Western Water Law with Emphasis on California: Correlative Rights Doctrine	Guest Speaker	Extra credit for attending 9OCT Forum on Politics of Water
12OCT	Begin transition from policy as process to policy as product; The Big Daddies of Command & Control Era		
19OCT	Multiple Use Sustained Yield Act 1960 Wilderness Protection Act 1964 Wild & Scenic Rivers Act 1968		
26OCT	Porter Cologne Act (Cal Clean Water Act 1969) National Envir. Policy Act (NEPA 1969) California Envir. Quality Act 1970	Guest speaker	
2NOV	Clean Water Act 1972 Endangered Species Act 1973		
9NOV	Safe Drinking Water Act 1974 Toxic Substance Control Act (Superfund 1976)		
16NOV	Issues for Lentic Water Bodies: Examples Lake Tahoe & Salton Sea		Extra Credit for attending Forum on Economics of Water
23NOV	Lotic Water Bodies: Stream Hydrology & Issues: Example Sacramento River & San Diego River	Guest speaker	
30NOV	Methodology of Water Body Assessment		
2DEC	Principles of Efficient Water Management: Policy Analysis		