

[Jump to Today](#)



## **Water Law, Policy, and Institutions**

AREC 342-801, Spring 2018

Colorado State University

Instructor: Chris Goemans and Matthew Flyr

Email: [cgoemans@rams.colostate.edu](mailto:cgoemans@rams.colostate.edu) (<https://mail.google.com/mail/?view=cm&fs=1&tf=1&to=cgoemans@rams.colostate.edu>) or [mflyr@rams.colostate.edu](mailto:mflyr@rams.colostate.edu)

Virtual Office Hours: By appointment

Course Website: CANVAS (video via Echo360)

**Course Overview:** The purpose of this course is to provide students with an introduction to the laws and policies governing the allocation of water throughout the United States; with particular attention being paid to the southwestern United States. Comparisons to alternate systems utilized internationally will be presented when relevant. Students will also be provided an overview of the institutions and parties that influence the allocation, administration, and development of policies (e.g. state and federal agencies, conservancy districts, utilities, etc.). **NOTE: Because the lectures for this course are filmed for an on campus class, assignments, grading, and some website material will be different than that presented in class. If there is any confusion, please contact one of us.**

### **Objectives:**

Students will develop an in-depth understanding of the following:

- Surface Water Allocation Law and Water Institutions at the Federal, State, and Local Levels
- The Fundamentals of Groundwater Law and Management
- Water Quality Law and its Interaction with Allocation Law
- Interstate and International Agreements
- Water Policy Design

### **Lectures:**

New lectures will be posted weekly. You will be able to access them by clicking on the "Modules" link.

### **Assignments and Homework:**

Weekly assignments will be posted most Mondays and due the following Monday (see assignment for specific details). Some assignments will be submitted to the instructor through the assignments page; others will require you to post your work on the Discussion Board in Canvas to facilitate peer review and discussions. Please see us if you have any questions.

**Textbook:** Required reading materials will be posted online.

**Student Evaluation:**

2 Quizzes 50 Points (25 points each)

Midterm 100 Points

Discussion Board (Assignments and Participation) 100 Points

Assignments (Privately submitted) 50 Points

Final Project 100 Points

Total 400 Points

The cutoff points for the different grades are:

**Final Grade Criteria:**

A/A+ 372 (93%)

A- 360 (90%)

B+ 344 (86%)

B 332 (83%)

B- 320 (80%)

C+ 304 (76%)

C 280 (70%)

D 240 (60%)

F Below 240 points (<60%)

**Announcements:**

Please check announcements every time you log in. If I need to communicate something to the entire class, I will post there.

**Course Content:**

All course content will be available through canvas. Please access this every week. This is where you will find your assignments, reading material and supplemental videos from various lectures. Please note that

any recorded material posted is to enhance your knowledge and understanding. It will not always align identically with the course content. It is provided as a supplement to the course readings and slides.

### **Discussion Board:**

The Discussion Board is a place to hold relevant conversations and ask questions about the material. Some assignments will require the use of the Discussion Board, but you are more than welcome to use it for general debate and discussion. When an assignment requires the use of the discussion board, you are expected to post your own material and provide at least 2 quality responses to your classmates' posts.

### **Grades:**

Please visit every couple of weeks to keep track of your grades. If there are any issues please be proactive and bring them to me within a week of grade getting posted. \*\*\*You have one week after receiving a graded assignment or exam to provide the instructor with a written grade appeal. The appeal should identify which question(s) is believed to be incorrectly scored. Note that the instructor reserves the right to re-grade the entire work, potentially resulting in a lower overall grade.

### **Exams and Quizzes:**

Exams will be administered only on the scheduled dates listed in the syllabus. Some weeks will have quizzes that will be available on Wednesday at 12:01am and must be submitted by Friday at 11:59pm. Thus, each quiz can be taken at any time during the day for which it is available, but once you begin you will have 30 minutes to finish. An announcement will be made a week prior to each quiz and test.

NO makeup exams OR quizzes will be given unless the student notifies the instructor prior to the date of the exam that she/he will be gone for a University approved trip. Students missing exams due to DOCUMENTED medical reasons will be allowed to make up the exam. Substitute grading assignments will not be offered to those students who miss exams or quizzes. Reasonable accommodations will be given to those persons with documented disabilities.

### **Final Paper:**

A detailed description of the Final Paper can be accessed here: [Final Paper](#).

### **Additional Notes/Thoughts:**

- It is YOUR responsibility to be prepared for the exams and to understand what is expected for the written assignments. If you have questions come to me BEFORE the exam or the assignment is due.
- Cheating will NOT be tolerated. Cheating will result in a zero score on the exam/assignment and possibly a failing grade in the course.
- Please send emails with the header AREC 342. Otherwise, your email is not going to be recognized.
- If you are finding that you have difficulties in this course, ask for help as soon as possible. The instructor

wants you to do well and meet your academic goals. The sooner you ask for help, the sooner you can get back on track.













Given that this is an online class your active participation in the discussion board and email communication with me will be important to your success. Please let me know if at any point in time you are struggling or if clarification is needed.

### Course Schedule:

342OnlineOutline\_2018 : Sheet1

|                        | Monday                         | Tuesday              | Thursday | Friday              | Topic Number | LECT SCHEI |
|------------------------|--------------------------------|----------------------|----------|---------------------|--------------|------------|
| Week 1<br>(1/15)       |                                |                      |          |                     | 1.1 and 1.2  | Lecture    |
| Week 2<br>(1/22)       |                                | <b>Assignment 1*</b> |          |                     |              | Lecture    |
| Week 3<br>(1/29)       |                                | <b>Assignment 2</b>  |          |                     |              | Lecture    |
| Week 4<br>(2/5)        |                                |                      |          |                     |              | Lecture    |
| Week 5<br>(2/12)       | <b>Assignment 3</b>            |                      |          |                     |              | Lecture    |
| Week 6<br>(2/19)       |                                |                      |          | <b>Quiz 1</b>       |              | Lecture    |
| Week 7<br>(2/26)       | <b>Assignment 4</b>            |                      |          |                     |              | Lecture    |
| Week 8<br>(3/5)        |                                |                      |          | <b>Midterm Exam</b> |              |            |
| SPRING BREAK<br>(3/12) | NO CLASS                       | NO CLASS             | NO CLASS | NO CLASS            |              |            |
| Week 9<br>(3/19)       |                                |                      |          |                     |              |            |
| Week 10<br>(3/26)      | <b>Assignment 5</b>            |                      |          |                     |              |            |
| Week 11<br>(4/2)       |                                |                      |          | <b>Quiz 2</b>       |              |            |
| Week 12<br>(4/9)       | <b>Assignment 6</b>            |                      |          |                     |              |            |
| Week 13<br>(4/16)      | <b>Final Paper Rough Draft</b> |                      |          |                     |              |            |
| Week 14<br>(4/23)      | <b>Peer Edited Final Paper</b> |                      |          |                     |              |            |

# Course Summary:

| Date             | Details   |                |
|------------------|---|----------------|
| Wed Jan 24, 2018 |  <a href="https://colostate.instructure.com/courses/63384/assignments/653789">Assignment 1</a><br>( <a href="https://colostate.instructure.com/courses/63384/assignments/653789">https://colostate.instructure.com/courses/63384/assignments/653789</a> )        | due by 5pm     |
| Tue Jan 30, 2018 |  <a href="https://colostate.instructure.com/courses/63384/assignments/653790">Assignment 2</a><br>( <a href="https://colostate.instructure.com/courses/63384/assignments/653790">https://colostate.instructure.com/courses/63384/assignments/653790</a> )        | due by 4pm     |
| Mon Feb 12, 2018 |  <a href="https://colostate.instructure.com/courses/63384/assignments/653791">Assignment 3</a><br>( <a href="https://colostate.instructure.com/courses/63384/assignments/653791">https://colostate.instructure.com/courses/63384/assignments/653791</a> )        | due by 4pm     |
| Fri Feb 23, 2018 |  <a href="https://colostate.instructure.com/courses/63384/assignments/653785">Quiz 1</a><br>( <a href="https://colostate.instructure.com/courses/63384/assignments/653785">https://colostate.instructure.com/courses/63384/assignments/653785</a> )              | due by 11:58pm |
| Mon Feb 26, 2018 |  <a href="https://colostate.instructure.com/courses/63384/assignments/653792">Assignment 4</a><br>( <a href="https://colostate.instructure.com/courses/63384/assignments/653792">https://colostate.instructure.com/courses/63384/assignments/653792</a> )        | due by 4pm     |
| Fri Mar 9, 2018  |  <a href="https://colostate.instructure.com/courses/63384/assignments/653787">Midterm</a><br>( <a href="https://colostate.instructure.com/courses/63384/assignments/653787">https://colostate.instructure.com/courses/63384/assignments/653787</a> )             | due by 11:59pm |
| Mon Mar 26, 2018 |  <a href="https://colostate.instructure.com/courses/63384/assignments/653793">Assignment 5</a><br>( <a href="https://colostate.instructure.com/courses/63384/assignments/653793">https://colostate.instructure.com/courses/63384/assignments/653793</a> )      | due by 4pm     |
| Fri Apr 6, 2018  |  <a href="https://colostate.instructure.com/courses/63384/assignments/653784">Quiz 2</a><br>( <a href="https://colostate.instructure.com/courses/63384/assignments/653784">https://colostate.instructure.com/courses/63384/assignments/653784</a> )            | due by 11:58pm |
| Mon Apr 9, 2018  |  <a href="https://colostate.instructure.com/courses/63384/assignments/653794">Assignment 6</a><br>( <a href="https://colostate.instructure.com/courses/63384/assignments/653794">https://colostate.instructure.com/courses/63384/assignments/653794</a> )      | due by 4pm     |
| Mon Apr 16, 2018 |  <a href="https://colostate.instructure.com/courses/63384/assignments/653795">Paper Rough Draft</a><br>( <a href="https://colostate.instructure.com/courses/63384/assignments/653795">https://colostate.instructure.com/courses/63384/assignments/653795</a> ) | due by 4pm     |
| Mon Apr 23, 2018 |  <a href="https://colostate.instructure.com/courses/63384/assignments/653796">Peer Review Form</a><br>( <a href="https://colostate.instructure.com/courses/63384/assignments/653796">https://colostate.instructure.com/courses/63384/assignments/653796</a> )  | due by 11:59pm |
| Fri May 4, 2018  |  <a href="https://colostate.instructure.com/courses/63384/assignments/653663">Final Paper</a><br>( <a href="https://colostate.instructure.com/courses/63384/assignments/653663">https://colostate.instructure.com/courses/63384/assignments/653663</a> )       | due by 11:59pm |

Date

Details

---



**Participation/Discussion**

<https://colostate.instructure.com/courses/63384/assignments/653788>

---



**Practice Problems: Basic Hydrology**

<https://colostate.instructure.com/courses/63384/assignments/653772>

---



**Practice Problems: Prior Appropriation**

<https://colostate.instructure.com/courses/63384/assignments/653773>

---



**Stream Accounting Practice Problems & Answers**

<https://colostate.instructure.com/courses/63384/assignments/653797>

---