WR/GR 304 Sustainable Watersheds Fall 2020

Instructors:
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   Office hours: Fridays 9:30 – 11:00 https://zoom.us/j/94237848074 or by appointment

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   Office hours: by appointment

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Natalie Schmer
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   Office hours: Mondays and Tuesdays 11:00-12:00 https://zoom.us/j/93613014749

Class Meeting Time and Location:
You will be able to fully participate in this course remotely. Lectures will be recorded. All assignments, exams and quizzes will be completed online. Office hours will be conducted over zoom. We are offering optional homework recitations three times each week during class hours (8:00 – 8:50 am Mountain Time), with about 1/3 of the class in each session. For those preferring in-person meetings for the homework recitations, the sessions on Mondays and Wednesdays between August 26 and November 18 will meet in person in the classroom, Plant Science C101. For those preferring to meet on a remote basis, the sessions on Fridays will be held via Zoom at https://zoom.us/j/94237848074. Starting on November 30, in keeping with University policy this semester, all homework recitations, MWF, will be via Zoom. Recitation will not be held following Thanksgiving break (and may be adjusted earlier in the semester pursuant to CSU’s guidelines).

Covid-19 Precautions and Logistics
If you decide to attend the homework recitation in person, please follow all COVID-19 safety measures outlined on the CSU Covid-19 Resources for Students web page (https://www.chhs.colostate.edu/covid-19-resources/information-for-students/). Highlights to keep in mind include: All students, faculty and instructors will be required to follow state and county public health orders, guidance, protocols and University policies while on university grounds and in all buildings, including classrooms, laboratories, living, research and service spaces. These include:

- Checking for symptoms every day you plan to attend class, using the Student Daily Symptom Checker: https://covidrecovery.colostate.edu/daily-symptom-checker/
- Wearing masks or other appropriate face covering;
- Maintaining physical distancing of six feet from other individuals;
- Entering and leaving the classroom by the designated doors;
• Disinfecting your study and work surfaces (desktops, tables, etc.) regularly (every time you enter the classroom and before you leave);
• Staying home if you are experiencing COVID-19 symptoms or believe you have been exposed to COVID-19;
• Never gathering in groups without public health precautions;
• Once you choose a seat in your classroom, continue to use this seat any time you are in the classroom during the semester.
• Once you are assigned to a Monday or Wednesday homework recitation, attend only on your assigned day.

Course Overview and Objectives: This course is designed to introduce you to watershed science and hydrologic processes, management actions, and sustainability concepts. We will discuss physical, chemical, biological, and social factors that affect water and watershed health and sustainability. Objectives include: 1) Develop an understanding of the physical, chemical, and biological factors affecting water resources; 2) Build skill in collecting, evaluating, and analyzing watershed and hydrological data from various sources; 3) Learn science-based strategies for evaluating how human and natural disturbances and differing management actions affect water resources.

Course Prerequisites: Basic word processing/writing skills, basic Excel and/or other data analysis skills and use of the Internet for assignments/data discovery. Additional references and Excel tutorials will be posted throughout the semester.

No Required Text:
Reading and reference materials will be posted on Canvas.

Academic Integrity:
This course adheres to the Academic Integrity Policy of the CSU General Catalog and the Student Conduct Code. Students are expected to review the code at the beginning of the semester (https://resolutioncenter.colostate.edu/wp-content/uploads/sites/32/2018/08/Student-Conduct-Code-v2018.pdf)

Grading
Each grading component will be graded based on a score of 0-100, and these component scores will be weighted to account for the appropriate percentage of your final grade, as listed below. The final grade is based on a scale of 0 – 100%

<table>
<thead>
<tr>
<th>Grading component</th>
<th>Percentage of final score</th>
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<tbody>
<tr>
<td>Assignments:</td>
<td>48% (12 @ 4% each)</td>
</tr>
<tr>
<td>Quizzes:</td>
<td>16% (4 quizzes @ 4% each)</td>
</tr>
<tr>
<td>Online Discussion Forums:</td>
<td>5% (Students select 5 out of 15 discussions @ 1% each)</td>
</tr>
<tr>
<td>Final Report:</td>
<td>11%</td>
</tr>
<tr>
<td>Final Exam:</td>
<td>20%</td>
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<td></td>
<td>100%</td>
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Grades will be posted on Canvas. Note that posted grades will stand and any class-wide adjustments to final course scores are at the discretion of the instructors. The standard plus/minus system is used: A+, A-, B+, B, B-, C+, C, D, F, according to the grade cutoffs listed below. Extra credit will not be given.

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Percentage Points</th>
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<tbody>
<tr>
<td>A+</td>
<td>98-100</td>
</tr>
<tr>
<td>A</td>
<td>94-97</td>
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<tr>
<td>A-</td>
<td>90-93</td>
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<tr>
<td>B+</td>
<td>88-89</td>
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<tr>
<td>B</td>
<td>84-87</td>
</tr>
<tr>
<td>B-</td>
<td>80-83</td>
</tr>
<tr>
<td>C+</td>
<td>78-79</td>
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<tr>
<td>C</td>
<td>70-77</td>
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<tr>
<td>D</td>
<td>60-69</td>
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<tr>
<td>F</td>
<td>Below 60</td>
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**Participation and Accommodation:**
You are expected to have access to and regularly log in to Canvas. Important class information will be posted on Canvas. Lectures will be posted on YouTube with links to lectures available on the WR 304 Home Page on Canvas.

Colorado State University is committed to providing reasonable accommodations for all persons with disabilities. Students needing accommodation must first contact the Student Disability Center, TILT Building 121, prior to making arrangements with the instructor at the start of the semester (https://disabilitycenter.colostate.edu/).

**Assignments:**
Assignments are designed to increase the student’s understanding of watershed science and issues, further develop data collection and analysis skills, technical writing, and presentation skills. **Assignments are due by midnight on the due date specified.** Late assignments submitted within one week of deadline will be reduced by one letter grade. Assignments will not be accepted past that point without prior arrangements. As Canvas will not allow late submissions, you will need to email any late, excused or unexcused to Natalie. You are responsible for double checking your submission on Canvas and making sure that 1) it is the file you intended to upload and 2) all graphs and graph components are visible and legible. The submission of an incorrect or incomplete file will not be grounds for resubmission.

**Quizzes:**
Four quizzes will be given throughout the semester to test your knowledge of the current material, and to help support your grade for participation. The quizzes will be presented on Canvas and be available online for a week. The quizzes will be open-book, with a generous time limit.

**Final Exam:**
The final exam will cover primarily the final seven lectures in the course, but will also include some material from earlier in the semester. Test format will generally include multiple choice, true/false, and matching questions.

**Online Discussion Forums:**
Online, asynchronous discussion forums will be available for each week of the course except for Thanksgiving Break. Each student will select five of these 15 discussion forums and post, in those 5 selected forums, responses to questions about the key points covered in the weekly lectures. These forums will help to underscore the key points in the lectures, and to demonstrate course participation.

**Excused absences and Religious observances:**
If you will miss class for a CSU sanctioned event and have a University letter providing you with an extension on coursework, please forward this letter to your instructors and let them know which assignments you will need an extension on. Reasonable accommodations will also be made to allow individuals to observe their established religious holidays. Please let your instructors know if you will be needing an extension *before* the due date of an assignment. Similarly, unanticipated conflicts requiring a religious observance, such as a death in the family, will be given extensions.