

Stream Biology & Ecology - BZ471

Fall 2023

Instructor

Prof. N. LeRoy Poff

Office – 338 Biology
970-491-2079 (office)
n.poff@colostate.edu

Grad Student Assistant

Nathan Dorff

Office – 339 Biology
970-491-2414 (office)
nathan.dorff@colostate.edu

Office Hours:

Tuesday 2:00-4:15; also by appointment (live or ZOOM)

Sending an email: Use Canvas to send me email or use my main account with “**bz471**” at the **beginning** of your Subject Line to catch my attention

Class Time:

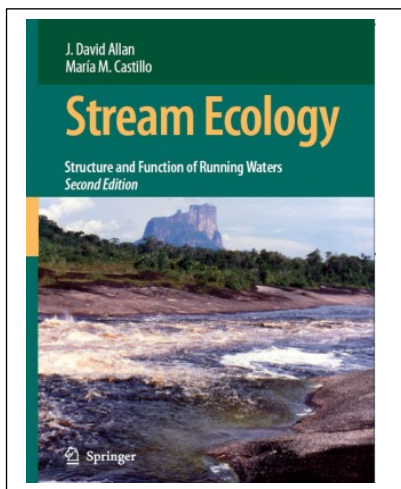
- Lecture: 12:30-1:45 T, Th ... live lectures will be streamed, and recorded and posted on Canvas

Class Location:

- Clark C 146

Canvas Login to BZ471 Page: <http://info.canvas.colostate.edu/login.aspx>

Required Text: Allan, J.D. and Castillo, M.M. 2007. Stream Ecology – Structure and Function of Running Waters. Springer-Verlag. Available as free eBook from Morgan Library.



Download eBook: Login to CSU Morgan Library with your EID account, then go to this URL

https://colostate.primo.exlibrisgroup.com/discovery/fulldisplay?docid=alma991031435158103361&context=L&vid=01COLSU_INST:01COLSU&lang=en&search_scope=MyInstitution&adaptor=Local%20Search%20Engine&tab=LibraryCatalog&query=title,exact.stream%20ecology.AND&sortby=date_d&facet=frbrgroupid,include,9033997787928097581&facet=tlevel,include,online_resources&mode=advanced&offset=0

Grading

Course grades will be based on in-class exams and on-line quizzes covering (i) lecture material, (ii) assigned reading from the textbook, and (iii) peer-reviewed publications from the primary literature. Attendance will also count toward your grade.

In-class Exams (2) – 40% of total grade

There will be two (2) exams this semester, a mid-term and a final, each counting 20% of the final grade.

Exam questions will have multiple formats (e.g., T/F, fill-in-the-blank, short answer, and essay) to allow for a range of test-taking skills and suitable coverage of material. Factual knowledge and synthesis will be emphasized.

Exams cover material presented in lecture and all readings listed on syllabus.

Make-up exams will be given only for university-approved excuses or with a note from a medical professional.

Online Quizzes (6) – 29% of total grade

There will be six (6) short, on-line quizzes spread through the semester, each worth 8% of your final grade. Quizzes will cover 4 lectures and are intended to help you keep up with diverse course material and prepare for the mid-term and final exams.

Readings (7) – 21% of total grade

You will be required to read six (6) journal papers from the primary literature and write up a short summary (using a template) to hand in. Each of these will be worth 3% of your final grade (total = 18%)

Attendance – 10% of total grade

Lectures and class engagement are important to facilitate learning. Your attendance at lectures will be recorded as a component of your class grade. There are 28 scheduled lectures (after first intro lecture). Attending 24-28 lectures earns a full 10% for attendance. Attending 19-23 lectures attended earns 9%. Attending 14-18 lectures attended earns 8%. Attending 10-13 lectures attended earns 7%. Attending fewer than 10 lectures attended earns 0%.

Course Objectives:

Knowledge of stream biota and their habitats.

Understanding of physical, chemical, and biological processes and their interactions in stream ecosystems.

Understanding geographic variation in stream/river structure and function.

Understanding how humans shape the functioning of streams in past and future.

Reading primary literature to enhance understanding of scientific research and knowledge integration in stream ecology.

Important information for students: All students are expected and required to report any COVID-19 symptoms to the university immediately, as well as exposures or positive tests from a non-CSU testing location.

If you suspect you have symptoms, or if you know you have been exposed to a positive person or have tested positive for COVID, you are required to fill out the COVID Reporter (<https://covid.colostate.edu/reporter/>). If you know or believe you have been exposed, including living with someone known to be COVID positive, or are symptomatic, it is important for the health of yourself and others that you complete the online COVID Reporter. Do not ask your instructor to report for you. If you do not have internet access to fill out the online COVID-19 Reporter, please call (970) 491-4600. You may also report concerns in your academic or living spaces regarding COVID exposures through the COVID Reporter. You will not be penalized in any way for reporting. When you complete the COVID Reporter for any reason, the CSU Public Health office is notified. Once notified, that office will contact you and, depending upon each situation, will conduct contact tracing, initiate any necessary public health requirements and notify you if you need to take any steps.

For the latest information about the University's COVID resources and information, please visit the **CSU COVID-19 site:** <https://covid.colostate.edu/>.