

# FUTURE RIVERS

## Optional Science Communication Courses and Resources

- [Climate Science Seminar \(ESS/OCEAN/AT M 593\)](#), offered Autumn/Winter, 1 credit, C/NC; Focuses on how to communicate climate science to many different audiences through careful construction of figures and through written and oral communication.
- [Communication and the Environment \(ENV/COM 418\)](#), offered Spring, 5 credits, graded. Examines how communication about the environment influences beliefs, values, and treatment of the natural world. Topics include new coverage of the environment; media strategies and rhetoric used by activists, government agencies, and industry to address environmental issues; representations of the environment in popular culture; and/or political argumentation about environmental policy.
- [Communicating Science to the Public Effectively \(CENV 500\)](#), offered Winter, 3 credits, C/NC. Teaches emerging scientists how to effectively communicate their research to the public. Uses lessons and tools such as group discussion, feedback, and practice.
- [Professional presentations in the Environmental Sciences \(SEFS 561\)](#), offered Spring, 3 credits. Students learn to make public presentations in scientific, professional, and popular contexts and to interpret technical information for professional and lay audiences by developing and practicing professional talks in a supportive environment. Students gain experience through tools and feedback on their approach to presentation materials. Discusses support materials, such as audiovisuals and graphics.
- [Science Communication for Teachers \(SCI T 503\)](#), offered Spring, 2 credits. Students examine effective communication of scientific research. Students critically evaluate example presentation from on-campus departmental seminars, practice communicating their own scientific research to mentors and peers and deliver a formal oral presentation.
- [Scientific Speaking Seminar \(CONJ/MCB 512\)](#), offered Winter, 1.5 credits. Teaches how to effectively give a scientific seminar about research.
- [Special Topics in Marine Studies: The theory and practice of linking knowledge with action to address modern environmental challenges \(SMEA 550C\)](#), offered Winter, 2 credits, C/NC. Students will review and discuss both foundational and emerging literature on topics including: Defining and developing actionable science; Integrating across multiple disciplines and incorporating extra-scientific knowledge to address societal problems (transdisciplinary research); Collaborating with non-academic communities to generate societally relevant information (knowledge co-production); Facilitating the transfer of knowledge from science producers to users (knowledge brokering); Groups that facilitate the exchange of information between science and society (boundary organizations); Knowledge/action systems; Ethical considerations in actionable science; and Defining and evaluating success in linking knowledge to action.

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College of the Environment Science Communication page:

<https://environment.uw.edu/research/science-communication-outreach/>

Additional related transdisciplinary course list (including grant writing); last updated

2017: <https://coenv-media-gene1ufvxiloffjq.stackpathdns.com/2018/02/UW-scicomm-courses-spring2017.pdf>

University of Washington Science and Policy Committee – resources include fun ways to communicate science through art, comics, and podcasts:

<http://uwsciencepolicy.com/careers-in-science-communication/>

Five, engaging science communication books:

<https://www.animateyour.science/post/5-must-read-science-communication-books>

Amplify: Conversation About Science Communication Series:

<https://environment.uw.edu/research/science-communication-outreach/amplify/>

Fellowships:

- [AAAS Mass Media Science and Engineering Fellows Program](#)
- [Leshner Leadership Institute for Public Engagement with Science Fellowship](#)
- [Pacific Science Center Science Communication Fellowship](#)
- [Washington Sea Grant Science Communications Fellowship](#)