

Writing Science Articles 2

REDM 710

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Writing Science Articles 2, an advanced seminar course, teaches Ph.D. Science students skills for writing and publishing in their profession.

In the first part of the course, students will learn to structure their manuscripts to ensure that the major findings receive appropriate attention, distinguishing them from secondary, supporting data in both the Results and Discussion section.

In the second part, students will learn editing techniques to develop logical arguments and balanced scientific texts. This will be accomplished by deconstructing their own and other students' writing with particular attention focused on the Introduction and Discussion section of the manuscript.

In the final section of the course, a senior Science professor will be invited to the class to provide additional feedback on the professionalism of students' writing. In addition, an editor of a major scientific journal or member of the Editorial Board will explain the peer-review process, the role of reviewers and editors, what editors look for in publishable manuscripts, and how to respond to reviewers' comments when revising and resubmitting manuscripts.

This 3-credit, pass/fail course meets on Friday from 10:05-1:05. Priority will be given to Ph.D. students in year 2-4 and requires permission of the instructor. Students will be expected to be familiar with editing techniques and principles of style.

Bibliography

Cooper, Linda. Writing Science Articles 2. Course Pack. 2006.

Day, Robert A. How to Write and Publish a Scientific Paper. 5th ed. New York: Oryx Press, 1998.

Huth, Edward J. How to Write and Publish Papers in the Medical Sciences. Baltimore: Williams & Wilkins, 1999.

King, L. Why Not Say It Clearly: A Guide to Scientific Writing. Boston: Little, Brown and Company, 1978.

Strunk, W. & White, E.B. The Elements of Style. 3rd ed. New York: Macmillan, 1979.

Williams, Joseph M. Style: Ten Lessons in Clarity and Grace. 6th ed. New York: Longman, 1999.

Zeigler, Mimi. Essentials of Writing Biomedical Research Papers. 2nded. New York: McGraw-Hill, 2000.