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Annotated Bibliography of Ethical Issues in Physics: Mentorship

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Ethical Issues in Physics
Bibliography assembled by
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Eastern Michigan University
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Mentorship

EDU, MEN

Science and Engineering Ethics

Volume 17, Number 3 / September 2011, pp. 447-457

The University and the Responsible Conduct of Research: Who is Responsible for What?

Katherine Alfredo and Hillary Hart

The authors discuss the role of the university and the mentor in providing ethics education to graduate students, using three cases (including Robert Millikan) to illustrate their points.

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EDU, MEN

Physics Today – August 2011

Volume 64, Issue 8, p. 9

Student lab safety emphasized

Irving E. Dayton

A brief letter to the editor urging that more attention be paid to safety in student laboratories.

Physics Today – October 2011

Volume 64, Issue 10, p. 11

Student lab safety standards needed

Jesse McVaney

The author urges state action to ensure student safety in labs.

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MEN

Physics Today—June 2010

Volume 63, Issue 6, pp. 50-51.

The Art of Being a Scientist: A Guide for Graduate Students and Their Mentors

Roel Snieder, Ken Larner, and Renee D. Diehl, Reviewer

Book Review

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MEN

Physics Today -- November 2004

Volume 57, Issue 11, pp. 42-46

Ethics and the Welfare of the Physics Profession

Kate Kirby and Frances A. Houle

This article reports on one of the few surveys on the topic of ethics within the physics community. Particular attention is paid to the treatment of subordinates in the academic community.

Physics Today -- July 2005

Volume 58, Issue 7, pp. 12-17

Ethics Concerns Draw Many Questions, Some Answers

Peter Foukal, Frank Melsheimer, Georg Albrecht, Jeffrey Marque,

Marshall Thomsen, Joseph O. West, Kate Kirby, Frances Houle, Leonard

Finegold, and Caroline Whitbeck

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Science and Engineering Ethics

Volume 7, Number 4 / December, 2001, pp. 507-520

Influences on the ethical beliefs of graduate students concerning research

Robert L. Sprague, Jessica Daw and Glyn C. Roberts

Report on a survey of faculty and students at one Midwestern university (across a wide range of departments). Includes extensive quotes from open-ended questions.

Science and Engineering Ethics

Volume 7, Number 4 / December, 2001, pp. 521-524

Mentoring and ethical beliefs in graduate education in science

Rachelle D. Hollander

Commentary on 'influences on the ethical beliefs of graduate students concerning research' (Sprague, Daw and Roberts)

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Science and Engineering Ethics

Volume 7, Number 4 / December, 2001, pp. 487-503

Help from faculty: Findings from the Acadia institute graduate education study

Melissa S. Anderson, Elo Charity Oju and Tina M. R. Falkner

Reports on the results of a 1989-1990 survey of graduate students in chemistry, civil engineering, microbiology and sociology, investigating the nature of assistance they receive from their mentors.

Science and Engineering Ethics

Volume 7, Number 4 / December, 2001, pp. 505-506

How many degrees of separation? Preparation, proximity and professionalism

C. K. Gunsalus

Commentary on 'Help from faculty: Findings from the Acadia institute graduate education study'

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Science and Engineering Ethics

Volume 7, Number 4 / December, 2001, pp. 471-482

Mentoring: Some ethical considerations

Vivian Weil

The author argues that there is an ethical responsibility to ensure that graduate students receive the proper mentoring, but that the title of “mentor” should not be tossed around lightly.

Science and Engineering Ethics

Volume 7, Number 4 / December, 2001, pp. 483-485

Graduate students and mentors: The need for divine intervention

Judith P. Swazey

Commentary on ‘Mentoring: Some ethical considerations’ (Weil).

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Science and Engineering Ethics

Volume 7, Number 1 / March, 2001, pp. 147-150

“Sherry’s Secret”

Case study and commentary on research ethics

Leslie R. Sims

This case study focuses on issues relating to data fabrication, publication, collaboration, and mentorship. While one hopes the situation is well outside what a typical graduate student will experience, the resulting conflicts the student in this case study experiences are still useful to explore.

Science and Engineering Ethics

Volume 7, Number 1 / March, 2001, pp. 151-152

Commentary on “Sherry's secret”

Deborah G. Johnson

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