

Logic and the Methodology of Science

College of Letters and Science (<http://ls.berkeley.edu>)

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Group Website: Logic and the Methodology of Science (<http://logic.berkeley.edu>)

Overview

The Group in Logic and the Methodology of Science offers an interdisciplinary program of study and research leading to the PhD degree. Although the Department of Mathematics and the Department of Philosophy each offers a PhD degree toward which a student may write a dissertation in logic, the interdisciplinary program is designed for students with a broad interest in logic and the methodology of science who wish to explore the subject in both its mathematical and philosophical aspects. Methodology of science is here understood to mean metascience, the study of the methods of the sciences by logical and mathematical means. The program is administered by an interdepartmental group which cooperates closely with the Computer Science Division, the Department of Mathematics and the Department of Philosophy.

Preparation

For admission to the graduate program, students must have completed an undergraduate major in philosophy, or in mathematics, or a joint major in both, including at least one full-year upper division course in logic. In addition, they must have completed at least one upper division course in some science, and at least one full-year upper division course in mathematics (other than logic) if the undergraduate major was philosophy, or in philosophy (other than logic) if the undergraduate major was mathematics. Exceptions to these requirements are permitted only at the discretion of the graduate adviser.

Further information about the program, including a full statement of the requirements for advancement to candidacy, is available online (<http://logic.berkeley.edu>) or from the Group Administrative Office, Group in Logic and the Methodology of Science, 910 Evans Hall, UC Berkeley; Berkeley, CA 94720-3840.

Courses

Courses are chosen with the advice of the graduate adviser from among the offerings of the various departments of the University. In addition to the departments of Computer Science, Mathematics and Philosophy, attention is especially directed to courses in the various science departments, in statistics, and in linguistics.

Logic Colloquium (no credit): Reports on current research and scholarly work by members of the staff, visitors, and graduate students. (F,SP)

Departments with Related Programs

- Mathematics (<http://bulletin.berkeley.edu/archive/2013-14/departmentsandsubjects/mathematics>)
- Philosophy (<http://bulletin.berkeley.edu/archive/2013-14/departmentsandsubjects/philosophy>)
- Computer Science (<http://bulletin.berkeley.edu/archive/2013-14/departmentsandsubjects/computersciencelettersandscience>)