

FACILITIES, EQUIPMENT AND OTHER RESOURCES

Computer:

The Department of Mathematics of the University of Illinois at Urbana-Champaign has approximately 20 Sun and Dell workstations in a lab reserved for faculty, graduate students, and undergraduates working on research projects. In addition, faculty members have networked computers in their offices, which may be Sun workstations, Macintoshes, or PC's running either Windows or Linux. Similar resources are available on a shared basis in graduate student offices, with a ratio of approximately one networked computer per five graduate students. The department also has three instructional laboratories, which support mixed student and faculty use. Technical support for the laboratories and all faculty, staff, and graduate student office machines are provided by three full-time systems administrators and a small staff of hourly assistants.

Office:

The Department of Mathematics of the University of Illinois at Urbana-Champaign has secretarial support readily available for all faculty members.

Other Resources:

The Department of Mathematics of the University of Illinois at Urbana-Champaign provides multiple opportunities for faculty and students to collaborate and discuss research activities. The major research areas are Algebra, Analysis, Algebraic Geometry, Geometry and Topology, Logic, Number Theory, Differential Equations and Applied Mathematics, Combinatorics and Optimization, Probability, and Actuarial Science. There are several interdisciplinary research initiatives in the Mathematical Sciences involving Physicists, Computer Scientists, Material Scientists, Psychologists, and Electrical and Mechanical Engineers. The Department of Mathematics organizes a large number of weekly seminars, many of which attract researchers from other departments within the campus community. The campus research community represents one of the largest communities of researchers in the Mathematical Sciences in the world.

The Mathematics Library at the University of Illinois at Urbana-Champaign has one of the finest subject-specific collections in the United States. The collection encompasses materials in both pure and applied mathematics, the mathematics of computation, and mathematical statistics. The library, located within the primary mathematics building, currently contains approximately 100,000 volumes and more than 900 journals and monograph series. The facility provides an excellent basis for research and collaborative work.