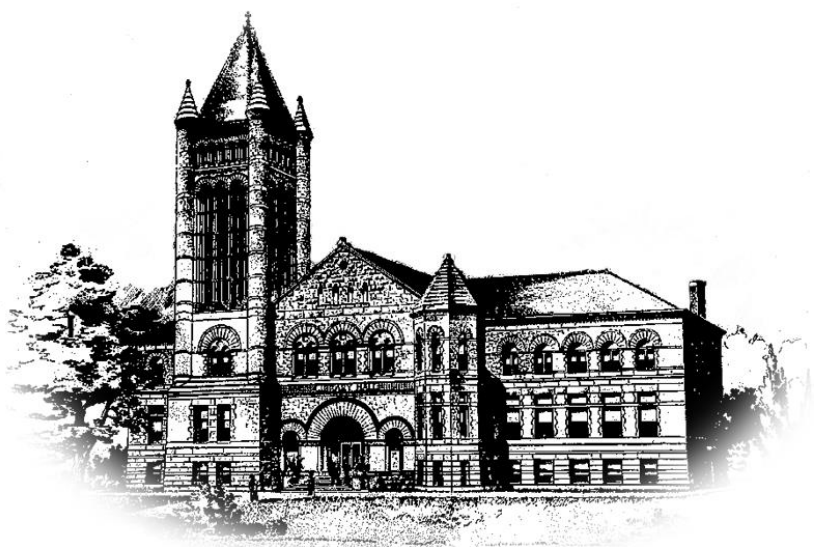


GUIDE TO THE

MATHEMATICS LIBRARY



University of Illinois
at
Urbana-Champaign
2018-2019

MATHEMATICS LIBRARY

216 Altgeld Hall (MC-382)

University of Illinois at Urbana-Champaign

U.S. Mail: 1409 W. Green St.

Urbana, IL 61801

Telephone: (217) 333-0258

Email: math@library.illinois.edu

URL: www.library.illinois.edu/mtx

NON-SMOKING ENVIRONMENT

NO FOOD OR UNCOVERED DRINKS ALLOWED

CAMPAIGN FOR ALTGELD AND ILLINI HALLS

The University of Illinois is embarking on a project to completely restore and renovate both Altgeld Hall and its neighbor across Wright Street, Illini Hall.

To learn more or make a donation, visit:

altgeldillini.illinois.edu

The Mathematics Library would like to thank the Departments of Mathematics and Statistics, Faculty, and Alumni for their continuing support of the library and its collections. For information about contributing to the Mathematics Library annual fund or named endowments, talk to our staff in person, by phone, (217) 333-0258, email Tim Cole, Mathematics Librarian, t-cole3@illinois.edu, or visit www.library.illinois.edu/friends/make-a-gift/.

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THE MATHEMATICS LIBRARY STAFF – WHO TO ASK

Tim Cole, Mathematics Librarian

(217) 244-7837; t-cole3@illinois.edu

- Reference and research questions
- Library user instruction
- Collection development
- Overall administration of the library

Becky Burner, Senior Library Specialist

(217) 244-1702; burner@illinois.edu

- Monographs processing and records
- New book shelf
- New book ordering
- Management of student assistants
- Reference questions
- Billing

Angie Gruendl, Senior Library Specialist

(217) 300-6960; agruendl@illinois.edu

- Journals processing and records
- New journal shelf
- Circulation
- Reserves
- Reference questions
- Supervision of student assistants
- Website updates and maintenance

Undergraduate Student Assistants

- Circulation
- Shelve materials
- Work evenings and weekends
- Assist where needed

Graduate Assistants

- Special projects

Nancy Anderson, Mathematics Librarian Emerita

Margaret Lewis, Senior Library Specialist (Retired)

INTRODUCTION

The Mathematics Library at the University of Illinois at Urbana-Champaign has one of the finest subject-specific mathematics collections in the United States. It includes materials in both pure and applied mathematics, the mathematics of computation, and mathematical statistics. Since 1893, this outstanding collection has grown from one 15-foot shelf to over 100,000 volumes, with more than 1,000 current subscriptions to journals and monographic series, a majority available online.

The Mathematics Library staff strives to provide the best in library services. We are happy to answer questions you may have, locate library materials, resolve concerns with overdue or lost materials, assist with reference and research questions, and provide library orientation tours and user instruction.

The Mathematics Library is fortunate to be housed in Altgeld Hall, one of the historic buildings on campus. From 1897 to 1927, this space served as the University Library. Photography is allowed within the Mathematics Library, as long as it does not disturb users or staff. Before taking any pictures, please check with staff and consult the Library's recording and photography policy (www.library.illinois.edu/geninfo/policies/recording_guidelines/).

MATHEMATICS LIBRARY ON THE WEB

An ever increasing number of the mathematics resources used in teaching and research are available online. While we continue to sustain an extensive print collection, we also subscribe to and purchase access to a growing number of digital resources. These are available to faculty and students on campus and remotely 24x7.

Mathematics Library Website

The Mathematics Library website, **www.library.illinois.edu/mtx**, has the resources you need to begin your research and stay informed of what is happening in the Mathematics Library.

Under *Math Square* (right side menu), you can find information on:

- Math Exhibits
- New Resources
- Recent Journals
- Tips

Online Library Guides

The Mathematics Library has created guides to assist you with your research. These include links to books and journals relevant to various Departments of Mathematics and Statistics research areas.

Visit: guides.library.illinois.edu/math

Easy Search

Easy Search provides the most comprehensive results when looking for books and journals, including those in digital formats. The Easy Search interface is on the Main Library website, www.library.illinois.edu and the Math Library website, www.library.illinois.edu/mtx. Easy Search searches multiple indexes simultaneously, including both the U of I and I-Share catalogs, to find materials that might answer your information needs.

Finding Online Journals and Articles

To locate articles included in journals and recent papers published in conference proceedings, you will need to search an abstract and indexing database. For articles and papers of interest to mathematicians and statisticians the most important databases are *MathSciNet* and *Zentralblatt MATH*. *MathSciNet* includes all items reviewed in the print publications *Mathematical Reviews* and *Current Mathematical Publications*, indexes major mathematics journals since 1940 and lists the Mathematics Subject Classification. *Zentralblatt MATH* additionally includes indexes from *Jahrbuch ERAM* (www.emis.de/MATH/JFM/), covering selected mathematics publications since 1868.

General interest databases and databases indexing publications in other disciplines are also available

online. These include: *Web of Science*, *Engineering Village*, and *Scopus*. *Engineering Village* includes both *Compendex* and *Inspec*, as well as other databases covering engineering and physics literature, including conference, trade, and technical government publications. The website *Find Online Journals & Databases* (sfx.carli.illinois.edu/sfxui/az) has a more complete listing of online journals and digital reference resources available. Some of these resources can only be accessed from on campus clients, through the campus VPN, or through the University Library proxy service.

After locating an article you want to read in an index or database, look for a blue box “Discover full text.” Clicking on this box will open a new window that will tell you whether the full article text is available online (along with a link to access the article), or will provide a link to view the journal record in our Library Catalog.

Finding E-Books

To find e-books, use Easy Search on the University Library website (www.library.illinois.edu). Click on the “Books” tab, then type in a title, author, or keyword(s) and press enter. You will be transferred to a search results page with several categories. At the bottom of the page choose “Ebook Matches.” You can search specifically for mathematics, engineering, physics, and computer and information science e-reference books available from *Elsevier ScienceDirect*, *Safari*, *SpringerLink*, and *Wiley Online Library* by clicking on the E-Books link on the Mathematics Library website. For more help with online resources in mathematics, visit www.library.illinois.edu/mtx/find-books/#ebooks

Tips for Using Online Books and Journals

To see a comprehensive list of available online math and statistics journals, visit the *Find Journals and Articles* page on our website and click on *Math E-Journals*. This link will take you to the Library’s *Find Online Journals & Databases* service (sfx.carli.illinois.edu/sfxui/az). Most of these journals can only be accessed from on campus clients or through the University Library proxy service, you will need your Net ID/password if using an

off-campus computer. More information on accessing Library resources from off campus, can be found on the Mathematics Library website under *Off Campus Access* (right side menu). The link on our website to *Current Journals of Interest to Mathematicians* under *Journals and Articles* (www.library.illinois.edu/mtx/find-journals-and-articles/mtxjournals/) also allows you to search for journals and check their availability.

If you have a citation in hand for a particular article, you can also use *Journal and Article Locator* (JAL) (search.grainger.illinois.edu/linker), a Web service linked from the Mathematics Library website. Enter the information from your citation and the JAL will search to see if the journal and/or article are available online.

MATHEMATICS LIBRARY IN PERSON

The University Library spends nearly \$400,000 per year to purchase and provide access to scholarly mathematics books, journals, and related publications. You can use several different tools to find what you want. Our staff is always happy to assist with any questions you have.

Location and Hours

The Mathematics Library is located on the second floor of Altgeld Hall. Mathematics Library hours are posted at our entrance and www.library.illinois.edu/mtx.

Fall and Spring Semesters

Monday - Thursday	9 a.m. – 8 p.m.
Friday	9 a.m. – 5 p.m.
Saturday	1 p.m. – 5 p.m.
Sunday	1 p.m. – 8 p.m.

Summer Term I and II

Monday - Friday	10 a.m. – 5 p.m.
Saturday	Closed
Sunday	Closed

The U of I Online Library Catalog

The main tool for finding items owned or subscribed to by our library, including links to electronic journals and books, is the University's Library Catalog

(guides.library.illinois.edu/librarycatalog). You can search by keyword, title, author, subject, or ISBN/ISSN. The Basic Search only lets you search in one of these fields at a time, while the Advanced Search option lets you search them in combination and allows you to limit results by language and type of material. The old interface to our online catalog is still available as the *Classic Catalog* option, but it isn't maintained. Books, proceedings, reports, and journals are indexed in the library catalog, but individual articles within journals or individual conference papers within proceedings are not. You will need to use specialized indexes (such as *MathSciNet* or *Web of Science*) to search for individual articles or papers.

By selecting "All I-Share Libraries" from the drop-down menu next to the search box, you can search the combined catalogs of all members of the Consortium of Academic and Research Libraries in Illinois (CARLI). You can also access the I-Share catalog from either the Mathematics Library website or the Library Catalog. For more information about CARLI and the I-Share catalog, visit the CARLI website (www.carli.illinois.edu) or consult library staff. Please note that although electronic resources owned by other CARLI institutions will appear in search results while using the I-Share catalog, these resources may not be available for use.

If you can't find what you are searching for in the Library Catalog, please don't hesitate to ask our staff.

Print Collections and Call Numbers

The call number is the identification number used to locate materials on library shelves, and is placed on the spine or front cover of the item. The call number serves to keep subject-related materials together. It is generally composed of two lines: the upper line is the Dewey Classification number, which is assigned based on the primary subject of the book, and the lower line is a combination of letters and/or numbers which serves to uniquely identify each book or journal. The Dewey Classification number for most mathematics titles is in the range 510 to 519 (see Appendix B).

In some cases, a letter is used in place of the Dewey number in the first line of the call number. For example, "B." is used for biographies and "C." is used for college publications. A "Q." or "F." at the beginning of a call number indicates that the item is larger than normal. Other prefixes denote type of materials. For example, a number preceded by "FILM" indicates that it is microfilm, and a number preceded by "VIDREC" indicates that it is a video recording. For a full list of prefixes, see guides.library.illinois.edu/cam/callnumbers/prefixes.

A few volumes in Chinese or Japanese located in our bookstacks have the Library of Congress class number for mathematics; these start with "QA". Call numbers with "B.", "F.", "Q.", or "QA" are shelved separate from other items with similar Dewey Classification numbers. Most math-related "VIDREC" items are located in the Undergraduate Library Media Center.

Print Reserve Collection

The mathematics reserve collection is located behind the counter and includes books placed on course reserve each semester as well as those materials on permanent reserve. A binder for all books on reserve for the current semester, arranged by course number, is located on the curved section of the circulation desk counter (Map A, #5). Please ask for books by first author or editor last name. Only Mathematics Library staff members are allowed in the reserve collection area. (Due to reduced hours, a second copy of mathematics reserve books, when available, can be found at the Grainger Engineering Library.) Books on reserve may be used in the library for up to two hours. Most reserve books cannot be taken out of the library. Select reserve books (those with green cards) may be charged out for overnight use starting one hour before the library closes in the evening and are due by one hour after the library next opens.

Department of Mathematics Faculty receive a request for a list of course reserves for the upcoming semester. Prompt attention to this request helps insure that the

books requested are on reserve when instruction starts. Faculty members are encouraged to notify us early of any special reserve requests.

Copies of selected final examinations from previous semesters are available upon request at the circulation desk. They are filed by course number and are available for in room use only. They may be scanned in the library. Copies of actuarial study manuals are available for in room use only.

Reference and Citation Verification

Reference service is available in person at the Mathematics Library circulation desk; by telephone, (217) 333-0258; or by email, math@library.illinois.edu. Monday-Friday 9 a.m. to 5 p.m., reference questions should be directed to the librarian or a library specialist.

The Mathematics Library maintains a small collection of reference handbooks, dictionaries, encyclopedias, etc. near the circulation desk area (Map A, #8). Patrons may consult or browse these resources within the library. The *Books Menu* page under *Reference Books and Assistance* (www.library.illinois.edu/mtx/find-books/reference-books/) also contains links to a number of online reference information resources.

Library User Instruction

The Mathematics Library staff is happy to provide individualized instruction in the use of library information resources. Please request assistance at the circulation desk. In-depth instruction will need to be scheduled with the librarian.

BORROWING LIBRARY MATERIALS

In order to charge out library materials, you must have a valid University of Illinois ID card (i-card), an appropriate ID from another I-Share institution, or a University of Illinois at Urbana-Champaign Library Courtesy Borrowing Card. Information on how to obtain a courtesy borrowing card is available from the Main Library. Either call Library Central Access Services at (217) 333-8400,

or visit the Main Library's *Borrowing Services Overview* page (www.library.illinois.edu/borrowing/).

Library Account

In order to view the items you have checked out, see any recent fines, monitor or change your list of requested items, or renew library materials, you will need to login to your library account. To set up your account, you will need to enter your "Barcode," which is the 14 digit number on your i-card next to the word "Library."

Once you have created your account, you can set a preferred pick-up location by going to "Profile" and using the dropdown menu to select your library of choice.

Pay special attention to any due dates that may have changed for items you have checked out. If an item is recalled for use by another patron, the Library will contact you by email or post, but verifying your due date is your surest way to avoid potential problems. Some other precautions you can take are to:

- Renew or return materials *before* the item is due.
- Call Library Central Access Services, (217) 333-8400, if you change postal or email addresses during the semester so that they can make sure that your record in the library user database is updated correctly.

What Can Be Borrowed? For How Long?

The Mathematics Library bookstacks are open for browsing to all library patrons. University faculty, staff, and students, I-Share patrons, and most library courtesy card patrons may borrow books from the Math Library. Mathematics and Statistics departmental faculty and graduate students may borrow any items they find in our stacks — *including our bound journals*. Bound journals are non-circulating and in room use only for all other patrons. Bring items for check out to the circulation desk (Map A, #6). Reserve materials must be requested from library staff. Bookstacks will be closed 10 minutes before the library. Please bring your items to the circulation desk before that time.

Loan Periods¹

	Faculty	Graduate Students	Undergraduate Students
Books	16 weeks	16 weeks	4 weeks
Bound Journals	Room use only ²	Room use only ²	Room use only
Unbound Journals	Room use only	Room use only	Room use only
New Journals	Room use only	Room use only	Room use only
New Books	1 week	1 week	1 week
Reserves	2 hours	2 hours	2 hours

¹ Applies to Mathematics Library materials. Items originating from other on- or off-campus libraries may have different borrowing periods.

² Mathematics and Statistics Department faculty and graduate students may request permission to borrow bound journals from our stacks. They are due back the same day and are not renewable.

Locating and Requesting Materials from Elsewhere

If the Mathematics Library has materials in its collection which cannot be located on the shelves, bring the call number, author, and title to the circulation desk, and the staff will diagnose the problem. If the item can't be located by our staff and another I-Share Library has the same item, a request can be placed on that item.

Requests are usually filled within seven business days. If another patron has the book you need charged out and no other copy of that item is available, you may ask staff to place a recall on the item; this will shorten the loan period and generate a notice that the book is needed. Recalls are placed only as a last resort and can take longer to resolve than requests to other I-Share Libraries. When the item is returned, an email will be sent to you.

DocExpress is a service provided by Interlibrary Loan and Document Delivery (ILL/DD) (www.library.illinois.edu/interlibrary-loan) to have materials owned by the University of Illinois at Urbana Libraries copied on your behalf to use in your research. There is no charge for faculty, graduate students and staff, however, undergraduate students pay \$5.00 per

citation. Most materials are available in two business days. Provide the call number and location of the materials that you need photocopied.

If an item is not found in either the University of Illinois Library collection or in another I-Share Library, you will need to make an interlibrary loan request via the ILL/DD website (www.library.illinois.edu/interlibrary-loan). The time it takes to receive interlibrary loan requests varies depending on the type of material requested; PDFs of articles are delivered more quickly than books or proceedings. You will be notified by email when the material is available. Journal articles are retrievable online as PDF's and books (or microfilm) are held at the Main Library circulation desk.

Where Can I Return Materials?

During Mathematics Library open hours, materials should be returned by placing them on the circulation counter. (Map A, #4). When the library is closed, please return materials to the library's book drop (Map A, #1).

Books from any University of Illinois library unit may usually be returned to any other campus library. However, our bound journals, new books, and overnight reserves, must be returned directly to the Mathematics Library. If your item was obtained through the Interlibrary Loan/Document Delivery department, you should return it directly to their office at the Main Library circulation desk.

Renewing Materials

Materials may be renewed (journals are not renewable) in any of three ways:

- *Library Catalog* – see the instructions given for managing your Library account online; then look at your “Checked Out Items” list to select the item you wish to renew. Click the box next to the title of the item, then click “Renew.” Check the due date after you attempt to renew to verify the renewal occurred.
- *Telephone* – call Library Central Access Services, (217) 333-8400

- *In person* – at the circulation desk of University of Illinois departmental libraries; in most cases, you don't need to have the item with you.

Materials obtained through Interlibrary Loan/Document Delivery are generally not renewable. I-Share books have limited number of renewals; you may not be allowed to renew or make changes if you have fines on your account. When making a renewal online please verify that the due date has updated. If not or if your account has been blocked for renewals, please call Library Central Access Services for assistance, (217) 333-8400.

RECALLS, FINES, AND BILLING

The goal of the library policies regarding recalls, fines, billing, and blocking of library patrons is to ensure that library materials are available to all patrons in a timely and fair manner, and to preserve the collection. We hope to avoid having to bill or fine our patrons by encouraging all patrons to carefully monitor their library account.

Recalls

If all available copies of a book are checked out, both at the University Library and other I-Share schools, library staff will initiate the recall of a library book for use by another patron. If you are the patron who has checked out the book, you will receive a recall notice by email or in campus mail informing you that the loan period for the item has been shortened and that the material must be returned by a certain date — usually 15 days from the date of recall. **FAILURE TO RESPOND TO A RECALL NOTICE WILL RESULT IN A \$5.00 A DAY FINE TO A MAXIMUM OF \$25. ALL CATEGORIES OF PATRON, INCLUDING FACULTY AND STAFF ARE FINED.** If a patron still has not returned a book by the fifteenth day following the recall due date, their borrowing privileges will be blocked until the recalled item is returned. For these reasons, we urge patrons to return all library materials prior to leaving for extended periods of time greater than two weeks.

Charges for Overdue and Lost Items

The library sends two overdue notices to patrons before presuming the book is lost. Forty days after the due date, the patron is billed the average replacement cost of the book (typically \$125 for monographs and \$300 for bound periodicals). The replacement cost is credited if the book is subsequently returned. However, once billed, graduate students, undergraduate students, Alumni and all courtesy card borrowers are assessed a \$10.00 processing fee.

All patrons are responsible for fines on reserve books. These fines are \$5.00 for each hour, or any portion of an hour, overdue, to a maximum of \$50 (more in special cases).

To avoid fines, please remember to return all materials to the library before leaving the campus for any extended period including summers and sabbatical leaves.

Collection of Fines and Fees

The Mathematics Library staff does not collect fines, processing fees, or lost book charges. Students, staff, and faculty will be billed for library fines and fees as part of your University e-bill. Others will receive a bill from the University by mail. You should pay as directed by the University Business Office. Fines and fees from other I-Share libraries will be collected by those individual libraries / institutions. If you have questions regarding fines or fees, please contact the Library Billing Office at (217) 333-8288. For Mathematics Library materials, Becky Burner can assist you with queries concerning fines and lost book billings. Failure to pay library bills will result in encumbrances and may affect your ability to register for classes or obtain copies of transcripts. Failure to pay interlibrary loan fines may result in the suspension of BOTH local and interlibrary borrowing privileges.

Policies of Other Institutions

University of Illinois faculty, students, and staff may borrow books from other institutions through I-Share and other forms of interlibrary loan. (These privileges are

not accorded to courtesy card users.) Books borrowed through I-Share and other forms of interlibrary loan are subject to the lending and fining policies of the institution from which they were borrowed. Loan periods and billing schedules may be different than those used on this campus. Policies are administered by the lending institution.

Loss of Borrowing Privileges

Patrons may lose their right to borrow books in the following instances:

- Borrowing privileges will be blocked if a recalled item is not returned.
- Borrowing privileges will be blocked if a patron has excessive fines and billings or “assumed lost” records on his or her account.
- I-Share library initiates a block because of an unpaid bill or other account problem at that library.

In most instances, privileges will be reinstated when the patron resolves his outstanding account problems. If the block has been initiated by an I-Share library, the patron will need to resolve the issue with that institution. A detailed description of circulation policies is available at www.library.illinois.edu/borrowing/.

Other Policy Information

Books requested online will not be charged to your account until you pick them up at the library of your choice. If you choose campus mail (faculty and graduate students only), the items will be charged to you at the time it is mailed.

FINDING YOUR WAY AROUND

Mathematics Library Bookstacks

Mathematics Library bookstacks are open to everyone. The entrance to the stacks (Map A, #7) is located behind the circulation desk. Books and bound journals are inter-shelved and are arranged by call number. Study carrels are available on all levels of the bookstacks. Materials are shelved on the floors in the following order:

Upper Level

- Oversize books (Q.)
- Folios (F.)
- Dewey numbers 000 to 510.4

Main Level

- Dewey numbers 510.5 to 513.99

Lower Level

- Dewey numbers 514 to 999
- Biographies (B.)
- Library of Congress classification QA

Policy: For security reasons, you must leave briefcases, backpacks, and bags in the cabinet near the grandfather clock before entering the bookstacks. Absolutely no food or drinks (not even covered drinks) are allowed.

Browsing New Books

Newly received books are placed on the New Book Shelf (Map A, #3) for two weeks. Each new book has a sign-up sheet. Add your name to the list to charge out the book when the two-week display period ends.

When the book is ready to circulate, you will be notified by campus mail or email that it is being held at the circulation desk for you for one week. After that period, if you have not claimed the book, it will be circulated to the next person on the sheet. The loan period for new books for which multiple people have signed up is one week.

Browsing New Journals

Newly received journal issues are placed on the New Journals Shelf (Map A, #2) for two weeks. Each issue is stamped to show the date and day of the week received.

After two weeks the journals are placed in the center display shelves in the Reading Room (Map B), where they are kept until enough issues are received for binding. These shelves are numbered 1 through 22, and the journals are arranged alphabetically by journal title.

When journals are sent to be bound, every effort is made to keep the most recent issue on the shelf for reference purposes. Binding takes up to two months normally. When the bound volume is received, it is shelved in the Mathematics Library bookstacks by call number.

A list of the new print journals received each week can be found posted on the New Journals Shelf, in the departmental mailroom, and under “Math Square” by selecting “Recent Journals” on the Mathematics Library website.

Reference and Bibliographic Tools

A small collection of print reference books are shelved under the counter to the right of the circulation desk (Map A, #8). This collection, arranged by call number, includes encyclopedias, general and mathematical dictionaries (English and foreign language), handbooks, biographical directories, books of mathematical and statistical tables, and others.

Many reference books are available online, including MathWorld, the digital version of the *CRC Concise Encyclopedia of Mathematics*. Additional reference e-books are also available through the Library’s subscriptions to *Safari Computer Books*, *EBSCO eBook Collection*, etc. Links to these resources can be found using our *Find Online Journal & Database* service (sfx.carli.illinois.edu/sfxuiu/az).

Bibliographic indexes (*Statistical Theory and Method Abstracts*, *Current Index to Statistics*, and *Referativnyi Zhurnal*) are shelved in the Reading Room (Map B, #1 through #3). *MathSciNet* and *Zentralblatt MATH* are available online. Links to these databases can be found on the Mathematics Library homepage.

Retrospective bibliographies are shelved in our bookstacks, including *Jahrbuch über die Fortschritte der Mathematik* (510.5JA), *Bullettino di bibliografia e di storia delle scienze matematiche e fisiche* (505 BUL), and *Bulletin de bibliographie d'histoire et de biographie mathématiques* (510.5 NOS).

Other Libraries and Resources

Records for all journal titles and volumes in numbered monographic series in the Mathematics Library collection are indexed in the Library Catalog. The rolodex and flip file, located at the circulation desk, provide another easy and efficient way to access this information.

The Boneyard Book, a collection of problems posed by users of the library, is located on the New Journal Shelf.

Most mathematical research materials in the University of Illinois Library are located at the Mathematics Library. However, some relevant books and journals may be found in other locations:

- Main Stacks (203 Main Library Bldg.)
- Grainger Engineering Library (1301 W. Springfield Ave.)
- Rare Book & Manuscript Library (346 Main Library Bldg.)
- Undergraduate Library (1402 W. Gregory Dr.)

The Mathematics Library has eight public-access PCs connected to the campus network. Use of these computers for library research takes precedence. These computers should not be used for generic Web browsing or personal entertainment. Email is allowed only from four PCs in the reading room (Map B, #5). A flatbed scanner is located in the Circulation Area; patrons needing to make scans take precedence for this PC. Both wired and wireless network access is currently available in the Mathematics Library Reading Room. Please ask library staff if you have any questions.

PRINTING

Cost and Locations

Black and white prints cost \$0.10 per page and are available at all U of I Library locations. Color prints cost \$0.40 per page and are available at ACES, Architecture and Art, Grainger, Main Library, Undergraduate, Vet Med, and Computer Lab and Student Space (CLASS) located in the lower level of the Illini Union. 11X17 prints cost \$0.50 per page and are available at the Undergraduate Library.

Payment Options

Students - Use Illini Cash

Illini Cash is a prepaid account managed by University Housing that can be used as cash at many places on campus locations.

Faculty and staff - Charge to Your University Account
Affiliated U of I faculty and staff who are not currently registered as taking a class can log in with their NetID to have print charges billed to your account once a month.

Everyone – Pre-paid or Cash

Get a Pre-paid Printing Account

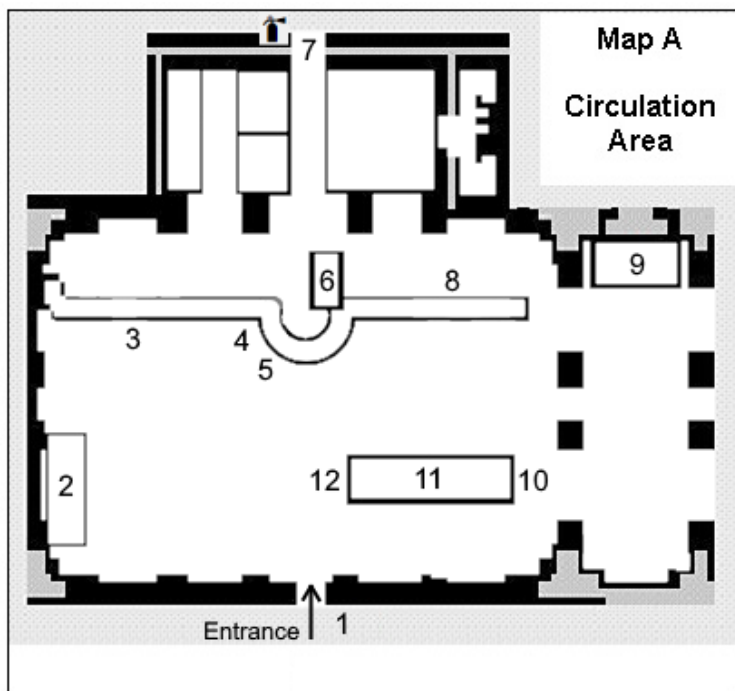
- Register as a new user at the PaperCut website.
- A confirmation email will be sent to you.
- Go to the Undergraduate Library Circulation Desk to add money to your account.

Pay Cash

- From any library computer, select the printer “Library Pay Cash B&W” or “Library Pay Cash Color”
- Go to the Undergraduate Library Circulation Desk to have your print made and to pay for it.

APPENDIX A — MAPS

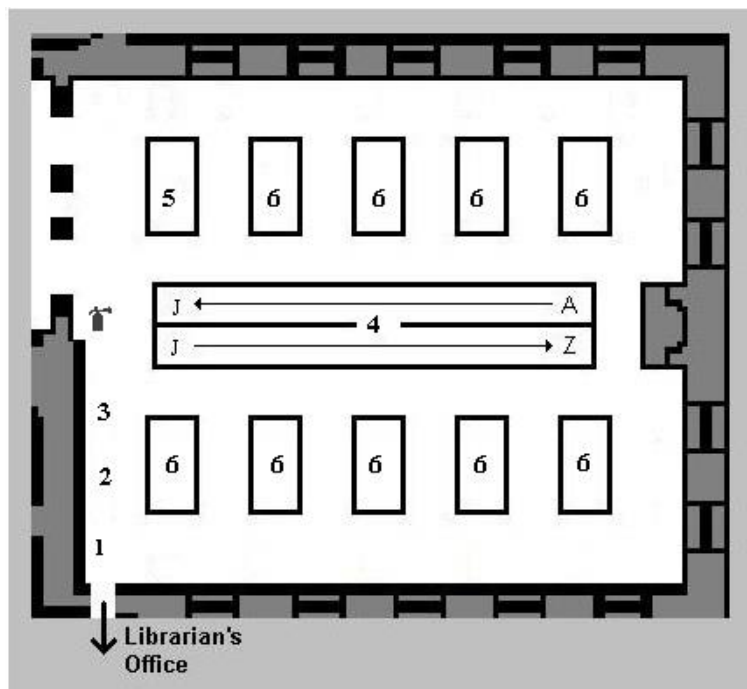
Map A – Circulation Area



KEY TO MAP A

- 1 - Book Return (Use when the library is closed.)
- 2 - New Journal Shelf
- 3 - New Book Shelf
- 4 - Book Return (Use when the library is open.)
- 5 - Reserves Binder
- 6 - Circulation Desk
- 7 - Entrance to Bookstacks
- 8 - Desk Reference Collection
- 9 - Emergency Exit
- 10 - Printer
- 11 - Library Use Computers
- 12 - Scanner

Map B — Reading Room



KEY TO MAP B

- 1 - Statistical Theory and Method Abstracts
- 2 - Current Index to Statistics
- 3 - Referativnyi Zhurnal. Matematika
- 4 - Unbound Journals
- 5 - Email and General Use Computers
- 6 - Quiet Study Tables

APPENDIX B — SUMMARY OF 510 TO 519 DEWEY

510 Mathematics

- .1 Philosophy and theory

511 General principles of mathematics

- .1 Finite mathematics
- .3 Mathematical (symbolic) logic
- .4 Approximations and expansions
- .5 Graph theory
- .6 Combinatorics and Combinatorial analysis
- .8 Mathematical models / simulation

512 Algebra and number theory

- .1 Algebra combined with other branches of mathematics
- .2 Groups and group theory
- .3 Fields
- .4 Rings
- .5 Linear algebra
- .7 Number theory
- .9 Foundations of algebra

513 Arithmetic

- .1 Arithmetic combined with other branches of mathematics
- .2 Arithmetic operations
- .4 Arithmetic and geometric progressions
- .5 Numeration systems
- .6 Nonweighted systems
- .9 Rapid calculations

514 Topology

- .2 Algebraic topology
- .3 Topology of spaces
- .7 Analytic topology

515 Analysis

- .1 Analysis and calculus combined with other branches of mathematics

- .2 General aspects
- .3 Differential calculus and equations
- .4 Integral calculus and equations
- .5 Special functions
- .7 Functional analysis
- .8 Functions of real variables
- .9 Functions of complex variables

516 Geometry

- .1 General aspects
- .2 Euclidean geometry
- .3 Analytic geometries
- .6 Abstract descriptive geometry
- .9 Non-Euclidean geometries

518 Numerical Analysis

(formerly in 515 and 519.4)

- .1 Algorithms
- .2 Specific numerical methods
- .4 Numerical methods in algebra, arithmetic, and number theory
- .5 Numerical approximation
- .6 Numerical methods in analysis

519 Probabilities and applied mathematics

- .2 Probabilities
- .3 Game theory
- .5 Statistical mathematics
- .6 Mathematical optimization
- .7 Programming
- .8 Special topics of applied mathematics

APPENDIX C — MATHEMATICS SUBJECT CLASSIFICATION

The current 2010 Mathematics Subject Classification (MSC2010) is a revision of the MSC2000 that has been used by Mathematical Review (www.ams.org/msc) and zbMATH (zbmath.org/classification/) since 2000. MSC2020 Revision - Mathematical Reviews and zbMATH have launched our cooperative effort to revise the Mathematics Subject Classification (MSC) scheme.

- 00 General mathematics
- 01 History and biography
- 03 Mathematical logic and foundations
- 05 Combinatorics
- 06 Order, lattices, ordered algebraic structures
- 08 General algebraic systems
- 11 Number theory
- 12 Field theory and polynomials
- 13 Commutative algebra
- 14 Algebraic geometry
- 15 Linear and multilinear algebra; matrix theory
- 16 Associative rings and algebras
- 17 Nonassociative rings and algebras
- 18 Category theory, homological algebra
- 19 K-theory
- 20 Group theory and generalizations
- 22 Topological groups, Lie groups
- 26 Real functions
- 28 Measure and integration
- 30 Functions of a complex variable
- 31 Potential theory
- 32 Several complex variables and analytic spaces
- 33 Special functions
- 34 Ordinary differential equations (ODE)
- 35 Partial differential equations (PDE)
- 37 Dynamical systems and ergodic theory
- 39 Difference and functional equations
- 40 Sequences, series, summability
- 41 Approximations and expansions
- 42 Harmonic analysis on Euclidean spaces
- 43 Abstract harmonic analysis
- 44 Integral transforms, operational calculus
- 45 Integral equations

- 46 Functional analysis
- 47 Operator theory
- 49 Calculus of variations and optimal control;
optimization
- 51 Geometry
- 52 Convex and discrete geometry
- 53 Differential geometry
- 54 General topology
- 55 Algebraic topology
- 57 Manifolds and cell complexes
- 58 Global analysis, analysis on manifolds
- 60 Probability theory and stochastic processes
- 62 Statistics
- 65 Numerical analysis
- 68 Computer science
- 70 Mechanics of particles and systems
- 74 Mechanics of deformable solids
- 76 Fluid mechanics
- 78 Optics, electromagnetic theory
- 80 Classical thermodynamics, heat transfer
- 81 Quantum Theory
- 82 Statistical mechanics, structure of matter
- 83 Relativity and gravitational theory
- 85 Astronomy and astrophysics
- 86 Geophysics
- 90 Operations research, mathematical programming
- 91 Game theory, economics, social and behavioral
sciences
- 92 Biology and other natural sciences
- 93 Systems theory; control
- 94 Information and communication, circuits
- 97 Mathematics education

AT A GLANCE

*Essential services
at a glance*

HOURS – Fall/Spring (subject to revision)

Mon – Thu	9 a.m. – 8 p.m.
Fri	9 a.m. – 5 p.m.
Sat	1 p.m. – 5 p.m.
Sun	1 p.m. – 8 p.m.

(All information available or linked from the Mathematics Library website)

MATHEMATICS LIBRARY

Campus mail	216 Altgeld Hall (MC-382)
U.S. mail	1409 W. Green St. Urbana, IL 61801
Telephone	(217) 333-0258
Email	math@library.illinois.edu
Home page	www.library.illinois.edu/mtx

Research and reference questions

Email: **math@library.illinois.edu** or
Phone: (217) 333-0258

Journal resources

*Math E-journals and
indexes to the literature
(MathSciNet, etc.)*

Linked from Find Journals and Articles page:
www.library.illinois.edu/mtx/find-journals-and-articles

Items not in Illinois Library system

*Please ask staff for
assistance*

Interlibrary Loan Office (Main Library):
www.library.illinois.edu/interlibrary-loan

Library Catalog

*Find library materials and
manage your account*

**[www.library.illinois.edu/mtx/find-books/
guides.library.illinois.edu/librarycatalog](http://www.library.illinois.edu/mtx/find-books/guides.library.illinois.edu/librarycatalog)**

Questions about your account, Library ID#, and to renew books

(217) 333-8400
Central Access Services, 203 Main Library

Paying fines and billing questions

*Please ask staff for
assistance*

(217) 333-8288
Billing Office, 203 Main Library

General questions

Not specific to Math Library

(217) 333-2291
Information Desk, 2nd Floor, Main Library

Revised August 2018 (twc)