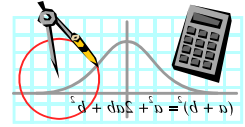




J. Murrey Atkins Library



Mathematics Newsletter

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Check out Services
for Faculty at:

[library.uncc.edu/
faculty](http://library.uncc.edu/faculty)

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Welcome Back for Spring Semester 2007!

Atkins Library is Pleased to Announce:

Atkins Library Launches New Website on January 1st

On January 1st, 2007, Atkins Library began the New Year with a redesigned, user-centric website. Some of the new features include color-coded navigation, user-friendly link labels and tooltips, a news blog with feeds, and a unified search box for simultaneously searching the Library Catalog, website, and Frequently Asked Questions.

The new website should make navigating Library resources, services, and information more clear and consistent. Users can also personalize the site's colors and font sizes. Accessibility features include an optional black and white color scheme, and colorblind friendly considerations (e.g. red doesn't touch green). You can access the library's website at: <http://www.library.uncc.edu>

New LCD Digital Signage at Atkins

The Atkins Library was able to purchase two 46 inch LCD monitors along with software to run digital signage on the Ground and 1st Floors. This signage will enable the Library to communicate with its users and also switch to television broadcast when appropriate. The signs are located by the Information Desk on the first floor and the rotunda by the Ritazza Café on the Ground Floor.

Do you Record your Lectures?

The Library is looking for any faculty who may be recording and/or podcasting their lectures to include in its streaming reserves collections. If you would like to have your recorded lectures available to students for listening over the web on reserves or loaded into recently purchased iPods, please contact the Reserves Supervisor at 704-687-2843.

Blackwell Synergy Journals Now Available Electronically

Blackwell Synergy now is available to the UNCC campus, with 780 journal titles (up from the 178 titles we subscribe to in paper). The main strength of the collection is titles in the sciences adding many basic society and association journals to campus resources.

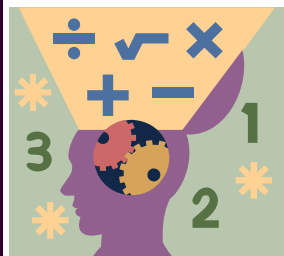
We have access to about 90% of the journals at the site (many from 1999 forward). Journal records should be available in the Atkins Library online catalog in mid-January.

To access them now, simply go to the "Blackwell Synergy" website and select "subscribed journals" or use their subject guide to titles.
<http://www.blackwell-synergy.com/action/showJournals>



Laptops are available for checkout from the circulation desk

“Atkins Library Reserves Staff will scan your materials so that students can access them via the Internet all semester long.”



Library’s Tower Project Update

The Tower ‘Reclad Project’ is chugging along and is getting closer to completion. Three sides of the tower now have brick masonry and two of them have had windows installed. The library hopes to complete the project during the Spring Semester. Library staff would like to thank all faculty for their patience during this project.

Faculty Article Delivery Service

The Library has been pleased with the popularity of its Faculty Article Delivery Service. UNC Charlotte faculty and staff can have any article (up to 30 pages) from the library’s print periodical collection scanned and sent to their desktop without leaving their office or home! Most articles should be received within 24 hours on weekdays.

To request an article, just click on the Interlibrary Loan link from the library’s webpage, login to your Interlibrary Loan account, and fill out a request with your citation information. Library staff will process and fill most requests within 24 hours Monday through Friday. Please note that this service is only available to UNC Charlotte Faculty and Staff and must be made from a Faculty or Staff Interlibrary Loan account. Also, we are unable to offer this service for microfilm or microfiche at this time. You may login to or create an Interlibrary Loan account to use this service at:

<http://www.library.uncc.edu/ill>

Ordering Materials

Submit order suggestions for Books, DVDs or other materials to the library representative for your department. Give as complete information as possible—author, title, publication date, edition, price. The library representative will submit the order to our technical services department. As before, we do not currently have funds to order new journal subscriptions unless we give up one of equal cost (for your department). We continue to receive many new journal titles through Science Direct, Wiley Inter-science, Springer, etc.

Course Proposals

Request for a “Consultation on Library Holdings” for a new course or program is initiated by a college or department and may come from an individual faculty member or may come from the departmental chair.

- Send the request to the liaison librarian for your department. Completing the “Library Holdings Assessment” is the responsibility of the Liaison Librarian.
- Send requests via email (preferred), or campus mail.
- Required documents include: Full course proposal and syllabus or draft syllabus of the course.

Each proposal is treated on a case by case basis. The level of research required determines the level of collection assessment necessary. Some factors we consider: number of students anticipated in each offering, frequency with which the course will be offered and number of sections. Has the course been offered previously as a topics course or under a different name? Is this a new curriculum, or an expansion or variation of one previously taught? The librarian makes a decision as to whether the library’s.... “Holdings are superior” “Holdings are adequate” Holdings are adequate only if department purchases additional holdings” “Holdings are inadequate”.

Helpful Mathematics and Science Web Sites

ISIHighlyCited.com

<http://isihighlycited.com>

The Institute for Scientific Information (ISI) now offers a free tool that enables one to find out who the top researchers are in various fields. It identifies most-cited researchers in the broad subject categories of life sciences, medicine, physical sciences, engineering and social sciences for the period 1981-1999.

Information about researchers includes position, contact information, personal information, complete bibliographies, patents, grants, awards, etc

New Mathematics Acquisitions

The Library posts lists of newly acquired materials each month for your convenience. Be sure to click on the [What's New](#) link on the library's homepage to see what we have added to our collections. Below are listed new acquisitions for Fall Semester 2006:

QA21 .A73 2006

The architecture of modern mathematics : essays in history and philosophy / edited by J. FerreirÃ³s and J.J. Gray.

Oxford, U.K. ; New York : Oxford University Press, c2006.

LOCATION = General Collections.

QA465 .H46 2006

Does measurement measure up? : how numbers reveal and conceal the truth / John M. Henshaw. Baltimore : Johns Hopkins University Press, 2006.

LOCATION = General Collections.

QA13 .P4725 2004

Perspectives on the teaching of mathematics : sixty-sixth yearbook / [edited by] Rheta N. Rubenstein, George W. Bright.

Reston, VA : National Council of Teachers of Mathematics, c2004.

LOCATION = General Collections.

QA28 .L48 2006

A madman dreams of Turing machines / Janna Levin. New York : Alfred A. Knopf, 2006.

LOCATION = Browsing Collection--Dale Halton Reading Room, 1st Floor.

QA28 .R87 2003

Russian mathematicians in the 20th century / editor, Yakov Sinai.

Singapore ; River Edge, NJ : World Scientific, c2003.

LOCATION = General Collections.

QA39.2 .M3844 2001

Mathematics in action : an introduction to algebraic, graphical, and numerical problem solving / the Consortium for Foundation Mathematics.

Boston : Addison Wesley, c2001.

LOCATION = General Collections.

QA76.95 .T7727 2005

The mathematica guidebook for numerics / Michael Trott.

New York, NY : Springer, c2006.

LOCATION = General Collections.

QA241 .A84 2006

Fearless symmetry : exposing the hidden patterns of numbers / Avner Ash and Robert Gross.

Princeton : Princeton University Press, c2006.

LOCATION = General Collections.

QA29.S96 P375 2006

James Joseph Sylvester : Jewish mathematician in a Victorian world / Karen Hunger Parshall.

Baltimore, Md. : Johns Hopkins University Press, c2006.

LOCATION = General Collections.

QA155 .B36 2005

Algebra and geometry / Alan F. Beardon.

Cambridge, UK ; New York : Cambridge University Press, 2005.

LOCATION = General Collections.

QA377 .S65 2006

Partial differential equations and the finite element method / Pavel Solín.

Hoboken, N.J. : Wiley-Interscience, c2006.

LOCATION = General Collections.

QA925 .M38 2006

Mathematical geophysics : an introduction to rotating fluids and the Navier-Stokes equations / J.-Y. Chemin ... [et al.]

Oxford, U.K. : Clarendon Press : Oxford ; New York : Oxford University Press Inc., New York : Oxford University Press, c2006.

LOCATION = General Collections.

Short Entries for Orders Recently Placed:

ALGEBRAIC GEOMETRY AND ARITHMETIC CURVES.

COLD CASE HOMICIDES PRACTICAL INVESTIGATIVE TECHNIQUES.

THE COLOSSAL BOOK OF SHORT PUZZLES AND PROBLEMS : COMBINATORICS, PROBABILITY, ALGEBRA, GEOMETRY, TOPOLOGY, CHESS, LOGIC, CRYPTARITHMS, WORDPLAY, PHYSICS AND OTHER TOPICS OF RECREATIONAL MATHEMATICS / MARTIN GARDNER ; EDITED BY DANA RICHARDS.

- COMPLEX ANALYSIS WITH MATHEMATICA.
DATA ANALYSIS A BAYESIAN TUTORIAL.
- DYNAMICAL SYSTEMS MICHAEL HERMAN MEMORIAL
VOLUME.
- A GUIDE TO MATLAB FOR BEGINNERS AND
EXPERIENCED USERS.
- HANDBOOK OF KNOT THEORY.
- INTRODUCTION TO LINEAR MODELS AND
STATISTICAL INFERENCE.
- LECTURE NOTES ON COMPLEX ANALYSIS.
- LECTURES IN PARALLEL COMPUTATION.
- MALLIAVIN CALCULUS : WITH APPLICATIONS TO
STOCHASTIC
- PARTIAL DIFFERENTIAL EQUATIONS.
- MARKOV CHAIN MONTE CARLO INNOVATIONS AND
APPLICATIONS.
- MATHEMATICAL METHODS FOR PHYSICS AND
ENGINEERING.
- MATHEMATICS AND STATISTICS FOR LIFE
SCIENTISTS / AULAY MACKENZIE.
- MATHEMATICS OF UNCERTAINTY IDEAS,
METHODS, APPLICATION PROBLEMS.
- MATLAB RECIPES FOR EARTH SCIENCES.
- MATROID THEORY.
- MODELS FOR DISCRETE DATA.
- MULTISCALE AND MULTIREOLUTION APPROACHES
IN TURBULENCE.
- REAL INFINITE SERIES.
- RIEMANNIAN GEOMETRY A MODERN
INTRODUCTION.
- SELECTED STATISTICAL PAPERS OF SIR DAVID
COX, V.1 DESIGN OF INVESTIGATIONS,
STATISTICAL METHODS AND APPLICATIONS.
- SELECTED STATISTICAL PAPERS OF SIR DAVID
COX, V.2 FOUNDATIONS OF STATISTICAL
INFERENCE, THEORETICAL STATISTICS, TIME
SERIES AND STOCHASTIC PROCESSES.
- SELECTED STATISTICAL PAPERS OF SIR DAVID
COX, V.1 DESIGN OF INVESTIGATIONS,
STATISTICAL METHODS AND APPLICATIONS.
- STEIN'S METHOD AND APPLICATIONS.
- STOCHASTIC PROCESSES AND MODELS.
- ALGEBRA AND GEOMETRY / ALAN F. BEARDON.
- CONTINUUM MECHANICS USING MATHEMATICA :
FUNDAMENTALS, APPLICATIONS, AND
SCIENTIFIC COMPUTING / ANTONIO ROMANO,
RENATO LANCELLOTTA, ADDOLORATA MARASCO.
- DIFFERENTIAL GEOMETRY AND TOPOLOGY : WITH
A VIEW TO DYNAMICAL SYSTEMS / KEITH
BURNS, MARIAN GIDEA.
- ESSENTIAL MATHEMATICS AND STATISTICS FOR
SCIENCE / GRAHAM CURRELL, ANTHONY DOWMAN.
- FUNCTIONAL ANALYSIS FOR PROBABILITY AND
STOCHASTIC PROCESSES AN INTRODUCTION.
- INTERMEDIATE DYNAMICS : A LINEAR
ALGEBRAIC APPROACH / R.A. HOWLAND.
- THE MATHEMATICA GUIDEBOOK FOR NUMERICS /
MICHAEL TROTT.
- MESHFREE PARTICLE METHODS / SHAOFAN LI,
WING KAM LIU.
- PARTIAL DIFFERENTIAL EQUATIONS AND THE
FINITE ELEMENT METHOD / PAVEL
- RUSSIAN MATHEMATICIANS IN THE 20TH
CENTURY / EDITOR, YAKOV SINAI.
- STATISTICAL MODELS : THEORY AND
PRACTICE / DAVID A. FREEDMAN.
- UNDERSTANDING AND USING ADVANCED
STATISTICS / JEREMY FOSTER, EMMA BARKUS,
CHRISTIAN YAVORSKY.