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# A Single Search Box Interface to the NCSU Libraries, Two Years Later

Tito Sierra  
NCSU Libraries  
DLF Spring Forum 2007

# Opening Remarks

I will not talk about:

- Endeca
- ILS/OPACs
- Faceted search

The screenshot shows the NCSU Libraries catalog search results for the term 'deforestation'. The interface includes a search bar at the top with the text 'Catalog Search: deforestation' and a 'Go' button. Below the search bar, it states 'Search 'deforestation': We found 350 matching items. Limit results to currently available items.' The results are displayed in a list format, with each item showing its title, author, publication year, format, and availability status. The left sidebar contains faceted search options for Subject, Genre, Format, and Library. The right sidebar shows the 'Sort By' dropdown menu set to 'Relevance'.

**NCSU LIBRARIES** Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

**MY LIBRARY:** Library Account | My Courses

Catalog Search: deforestation Keyword Anywhere Go Start Over Send search to: Go

**Search 'deforestation':**  
We found 350 matching items. Limit results to currently available items.

**Browse By:**

- C - Auxiliary Sciences of History (1)
- D - History (General) and History of Europe (5)
- F - America: local history (4)
- G - Geography, Anthropology, Recreation (38)
- H - Social sciences (55)
- J - Political Science (2)
- K - Law in general, Comparative and uniform law, Jurisprudence (4)
- L - Education (1)
- P - Language and Literature (4)
- Q - Science (42)
- R - Medicine (1)
- S - Agriculture (150)
- T - Technology (4)
- Z - Bibliography, Library Science, Information resources (ge ... (1)

**Narrow Results By:**

**Subject: Topic**

- Deforestation (190)
- Environmental aspects (69)
- Forests and forestry (59)
- Economic aspects (45)
- Rain forests (38)
- Show More ...

**Subject: Genre**

- Congresses (49)
- Case studies (11)
- Biography (5)
- Handbooks, manuals, etc (3)
- Bibliography (3)
- Show More ...

**Format**

- Book (308)
- eBook (30)
- Microfiche (14)
- Video cassette (8)
- CD-ROM (3)
- Show More ...

**Library**

- Online Resources (33)
- D.H. Hill (206)
- Natural Resources (140)
- Urbanshaw Medical (1)

**Brief View | Full View**

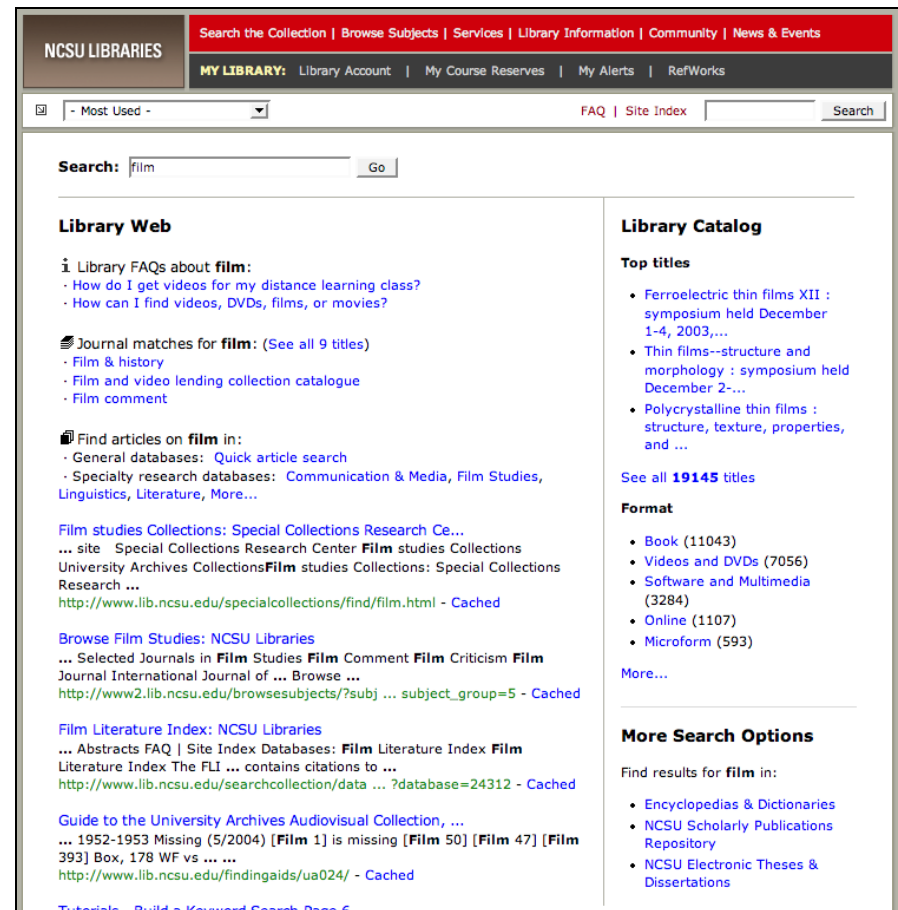
Sort By: Relevance

- 1. Deforestation. English.**  
**Published:** 1986.  
**Format:** Book  
**Natural Resources Library**  
SD418 .D47 1986 Stacks Available
- 2. The economics of deforestation in the Amazon : dispelling the myths**  
**Author:** Campari, João S.  
**Published:** c2005.  
**Format:** Book  
**Natural Resources Library**  
SD418.3 .A53 C26 2005 Stacks Checked Out
- 3. The dynamics of deforestation and economic growth in the Brazilian Amazon**  
**Published:** 2002.  
**Format:** Book  
**Natural Resources Library**  
SD418.3 .B6 D96 2002 Stacks Checked Out
- 4. Deforestation, environment, and sustainable development : a comparative analysis**  
**Published:** 2001.  
**Format:** Book  
**Natural Resources Library**  
SD418 .D43 2001 Stacks Available
- 5. The Causes of tropical deforestation : the economic and statistical analysis of factors giving rise to the loss of the tropical forests**  
**Published:** 1994.  
**Author:** ...

# Opening Remarks

I will talk about:

- Academic library search, beyond the catalog
- A project called ***Quick Search***



# Opening Remarks

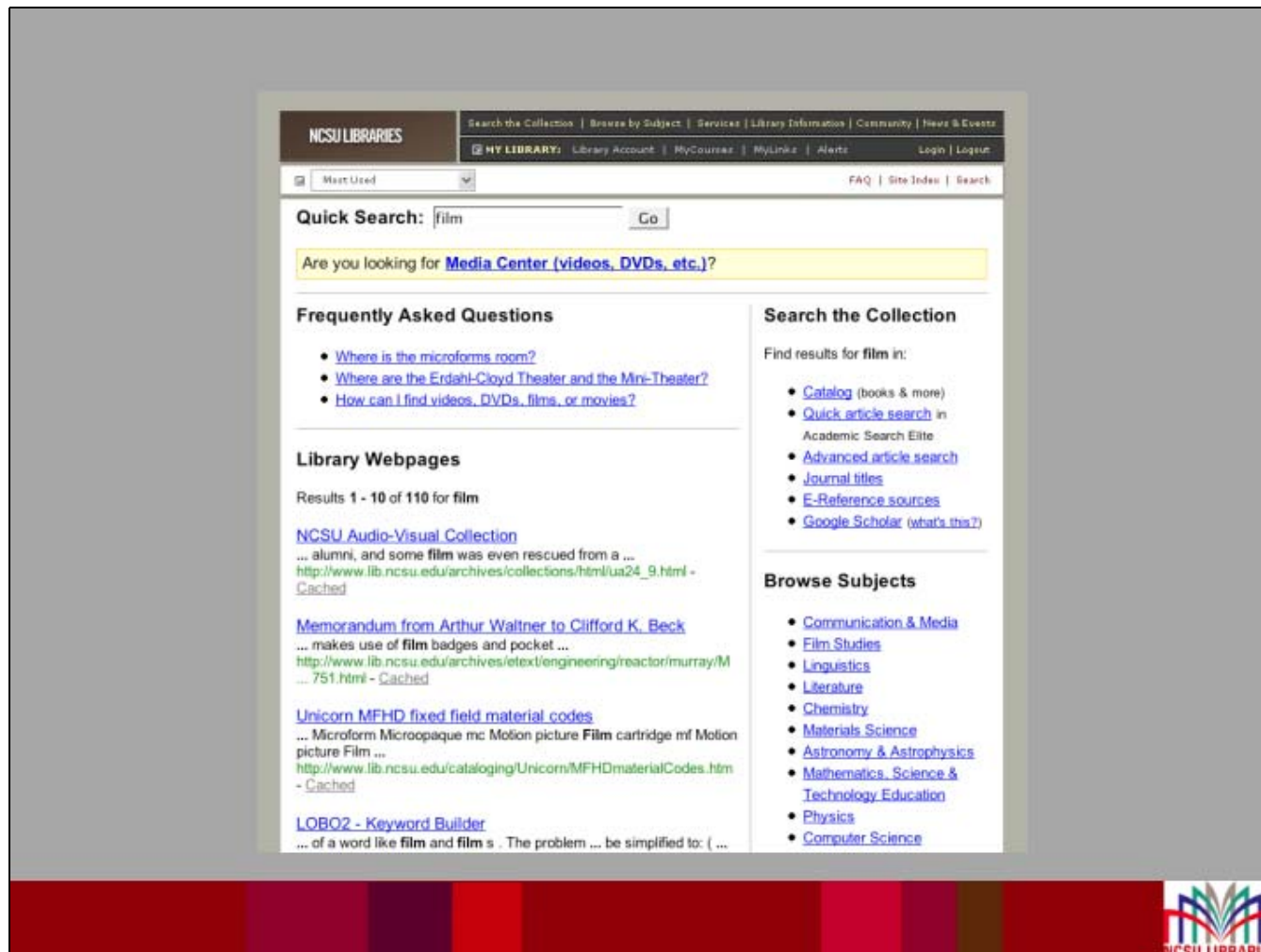
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## In Search of the Single Search Box: Building a "First-step" Library Search Tool

DLF Spring Forum 2005  
Tito Sierra and Steven Morris



# Opening Remarks



# Outline

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- Motivation
- The State of Library Search
- Quick Search at NCSU
- Usage Statistics
- Lessons Learned

# Motivation

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- Libraries provide online access to a variety of information resources
  - Print resources
  - Electronic journals and serials
  - Article databases
  - Subject guides and reference tools
  - Library services and information
- Many of these resources are keyword searchable, but via separate interfaces

# Motivation

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- User desire for a single search box that searches everything the library has to offer
- Evidence of library website search being used exactly in this way



# Motivation

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## Search Logs:

acm digital, ILL, policies, standard, international economic development, fines, dissertation abstracts, music therapy, ACM, wolfcopy, Oxford English Dictionary, audio, illegal immigration, schedule, interlibrary, datamonitor, chemistry, JAMA, stephen king, CRC, photography, vision, wiley, citation builder, job, andrew pace, academic search elite, ria, film studies, career development, sanborn maps, citation index, iee, history, industry analysis, scholarly journals, citation builder, hamlet, ethics, spss, petition, animal behavior, psych info, repository, ENR, diabetes, data, lrl, cancer, textbooks, wharton, Christian Science Monitor, ITTC, blah, PubMed, time magazine, nutrition, book return, DVD, questia, conductive heat transfer, sage, newspaper, mp3 player, enzyme lactase, digital media lab, american journal of psychology

# Motivation

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## Search Logs:

acm digital, ILL, policies, standard, international economic development, fines, dissertation abstracts, music therapy, ACM, wolfcopy, Oxford English Dictionary, audio, illegal immigration, schedule, interlibrary, datamonitor, chemistry, JAMA, **stephen king**, CRC, photography, vision, wiley, citation builder, job, andrew pace, academic search elite, ria, film studies, career development, sanborn maps, citation index, iee, history, industry analysis, scholarly journals, citation builder, **hamlet**, ethics, spss, petition, animal behavior, psych info, repository, ENR, diabetes, data, lrl, cancer, textbooks, wharton, Christian Science Monitor, ITTC, blah, PubMed, time magazine, nutrition, book return, **DVD**, questia, conductive heat transfer, sage, newspaper, mp3 player, enzyme lactase, digital media lab, american journal of psychology

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# Motivation

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# The Challenge

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To develop a ***useful and usable*** single search box interface to the library

# The State of Library Search

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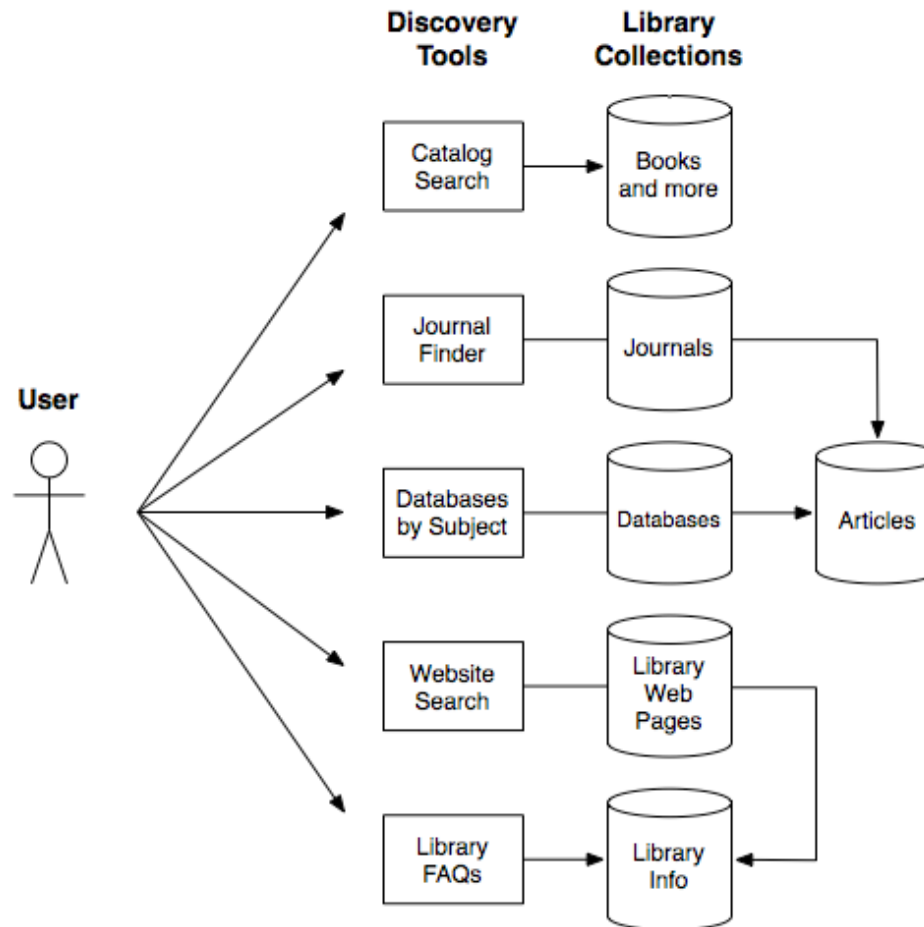
Many dedicated discovery tools:

- Catalog search
- Journal finders
- Database finders
- Article metasearch
- Subject guides/portals
- Library website search



# The State of Library Search

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# The State of Library Search

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## Problems:

- Assumes users know they need to select a dedicated discovery tool
- Assumes users know which discovery tool they should select for their search
- Sometimes the library's information architecture does not make this selection process easy

# Quick Search at NCSU

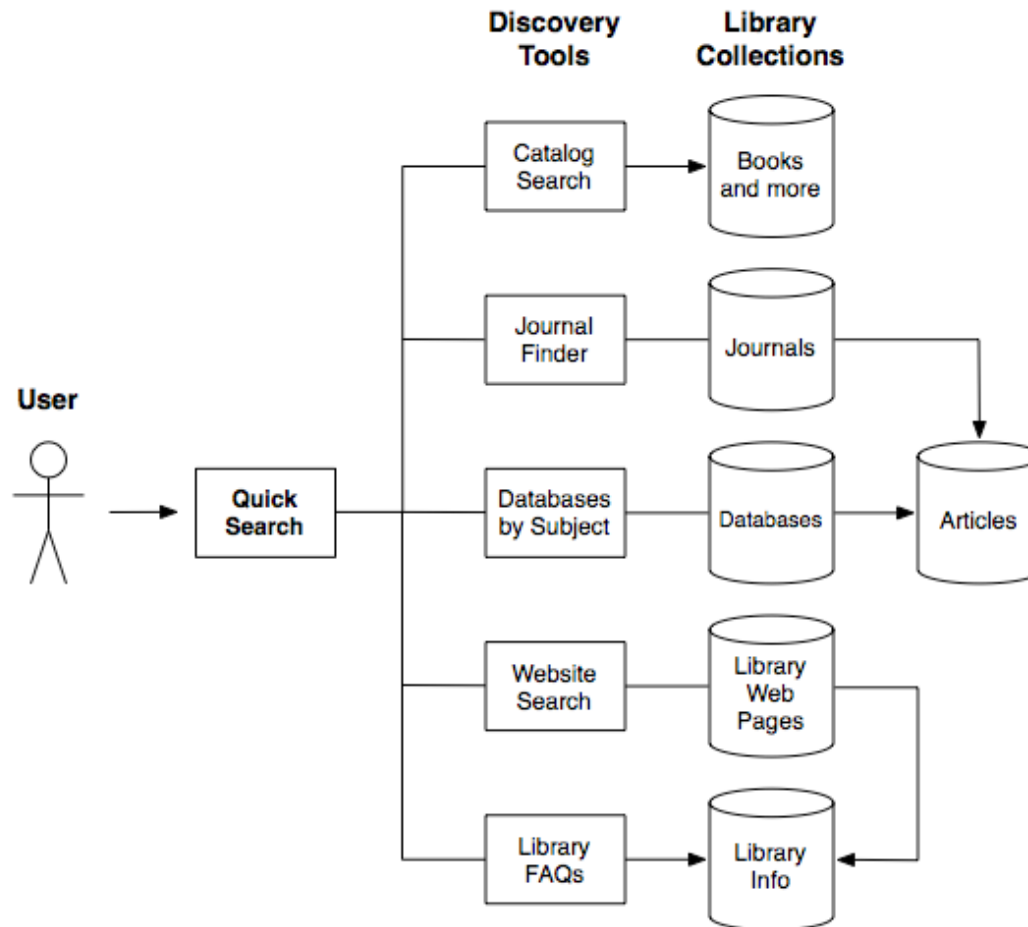
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A ***unified*** search interface to the library:

- Not a replacement for dedicated discovery tools!
- A simplified single search box interface
- Goal is to direct users to the appropriate library discovery tool, collection or resource for their search

# Quick Search at NCSU

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# Quick Search at NCSU

The screenshot shows the NCSU Libraries website homepage. At the top left is the NCSU Libraries logo. To its right are three images: a group of students studying, a library interior, and a library building at night. Below these images is a navigation bar with links: MY LIBRARY: Library Account | My Course Reserves | My Alerts | RefWorks. A search bar is located in the top right, highlighted with a red box, with a 'Search' button next to it. Below the navigation bar is a section with three main categories: Search the Collection, Browse Subjects, and Services. Each category has a list of links and a 'more ...' link. The bottom of the page features a footer with contact information, a navigation bar, and a copyright notice.

**NCSU LIBRARIES**

- SEARCH THE COLLECTION
- BROWSE SUBJECTS
- SERVICES
- LIBRARY INFORMATION
- COMMUNITY
- NEWS & EVENTS

**MY LIBRARY:** Library Account | My Course Reserves | My Alerts | RefWorks

FAQ | Site Index

**Search the Collection**

- Catalog \*Browse New Books\*
- Find Articles
- Journal List
- Databases
- Special Collections Research Center
- more ...

**Browse Subjects**

- Agriculture
- Design
- Education
- Engineering
- Humanities
- Life Sciences
- Management
- Mathematics
- Natural Resources
- Physical Sciences
- Social Sciences
- Textiles
- Veterinary Science

**Services**

- Reserves
- Tripsaver
- Borrow | Renew
- Ask a Librarian
- Computing
- For Faculty | Copyright Guidance
- Citation Builder | LOBO
- more ...

**My Alerts**

**Library Information**

- Hours
- Directions
- Library Locations
- Directories
- Visitors
- Jobs
- more ...

**Renovation**

**Community**

- Learning Commons
- Support the Libraries
- Friends of the Library
- Exhibits
- Calendar
- WolfBlogs | WolfWikis
- more ...

**Learning Commons**

**News & Events**

- NCSU Hosts Library Leadership Program
- Reading Room Closed 4/20
- Digital Library Fellowship Awarded
- Book Sale: April 26-28
- more ...

**Wells Exhibit**

**NCSU Libraries**  
2 Broughton Drive | Box 7111 | Raleigh, NC 27695-7111 | phone: (919) 515-3364

**NCSU LIBRARIES** Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events | Webmail

Copyright | Disclaimer | Accessibility | Text Only | Contact Us | Staff Only


**NC STATE UNIVERSITY**

# Demo

**NCSU LIBRARIES**

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events


**MY LIBRARY:** Library Account | My Course Reserves | My Alerts | RefWorks



FAQ | Site Index

**Search:**

### Library Web

 Find articles on **psychology** in:

- General databases: [Quick article search](#)
- Specialty research databases: [Psychology](#), [Education](#), [Anthropology](#), [Sociology](#), [More...](#)

[Psychology: Subject Guide: NCSU Libraries](#)

... Resources Careers in **Psychology** **Psychology** Subject Guide Librarian: Jack McGeachy ... Abstracts FAQ | Site Index Home: **PSYCHOLOGY** ... <http://www.lib.ncsu.edu/guides/psychology/> - [Cached](#)

[Psychology Collections: Special Collections Research Cent...](#)

... site Special Collections Research Center **Psychology** Collections Manuscript Collections | University Archives **Psychology** Collections: Special Collections Research Center ... <http://www.lib.ncsu.edu/specialcollections/fi...psychology.html> - [Cached](#)

[Careers in Psychology: Subject Guide: NCSU Libraries](#)

... Careers in **Psychology**: Subject Guide: NCSU Libraries MY ... <http://www.lib.ncsu.edu/guides/psychology/psychcareers.html> - [Cached](#)

[Browse Psychology: NCSU Libraries](#)

... and Organizational **Psychology** More Journals... **Psychology** Reference Tools Collins Dictionary of ... Browse **Psychology**: NCSU Libraries MY LIBRARY : Library ... [http://www2.lib.ncsu.edu/browsesubjects/?subj...subject\\_group=3](http://www2.lib.ncsu.edu/browsesubjects/?subj...subject_group=3) - [Cached](#)

[Browse Psychology: NCSU Libraries](#)

... and Organizational **Psychology** More Journals... **Psychology** Reference Tools Collins Dictionary of ... Browse **Psychology**: NCSU Libraries MY LIBRARY : Library ... [http://www2.lib.ncsu.edu/browsesubjects/?subj...ubject\\_group=11](http://www2.lib.ncsu.edu/browsesubjects/?subj...ubject_group=11) - [Cached](#)

### Library Catalog

#### Top titles

- [Bridging social psychology : benefits of transdisciplinary approaches](#)
- [Ethical conflicts in psychology](#)
- [A History of psychology : original sources and contemporary research](#)

See all **28750** titles

#### Format

- [Book](#) (26670)
- [Online](#) (1404)
- [NCSU Thesis/Dissertation](#) (872)
- [Journal, Magazine, or Serial](#) (651)
- [Microform](#) (273)

[Show more...](#)

### More Search Options

Find results for **psychology** in:

- [Encyclopedias & Dictionaries](#)
- [NCSU Faculty Publications Repository](#)
- [NCSU Electronic Theses & Dissertations](#)

# Quick Search Modules

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1. Best Bets
2. Frequently Asked Questions
3. Library Web Pages
4. Catalog Results (new)
5. Journal Title Results (in development)
6. Find Articles

# Best Bets

The screenshot displays the NCSU Libraries website interface. At the top, a red navigation bar contains links: Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events. Below this, a dark grey bar features the 'MY LIBRARY' section with links to Library Account, My Course Reserves, My Alerts, and RefWorks. The main content area has a search bar with 'lexus nexus' entered and a 'Go' button. To the left of the search bar is a dropdown menu set to 'Most Used'. Below the search bar, the page is divided into two columns. The left column, titled 'Library Web', includes a link to LexisNexis Academic, a description of its content, and a list of databases. The right column, titled 'Library Catalog', shows a message that no catalog matches were found. Below the catalog section is a 'More Search Options' section with a list of additional search resources. A 'Tip' at the bottom left suggests searching NC State for 'lexus nexus'.

**NCSU LIBRARIES**

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

**MY LIBRARY:** Library Account | My Course Reserves | My Alerts | RefWorks

Most Used -

FAQ | Site Index

Search

**Search:** lexus nexus Go

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**Library Web**

LexisNexis Academic  
Search for news, business, legal, medical, and congressional information

Find articles on **lexus nexus** in:

- General databases: Quick article search
- Specialty research databases: Agricultural Economics, Architecture, Sustainable Agriculture, Business & Management, More...

Quick Search: DLI: NCSU Libraries  
... Links Quick Search Example search: **lexus nexus** Example search: algorithms Example search ...  
<http://www.lib.ncsu.edu/dli/projects/quicksearch/> - Cached

**Tip:** You may also Search NC State for **lexus nexus**

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**Library Catalog**

No catalog matches found. Please redo your search in the catalog.

- Catalog (books & more)

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**More Search Options**

Find results for **lexus nexus** in:

- Encyclopedias & Dictionaries
- NCSU Faculty Publications Repository
- NCSU Electronic Theses & Dissertations



# Best Bets

The screenshot shows the NCSU Libraries website interface. At the top, there is a navigation bar with links: Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events. Below this is a 'MY LIBRARY' section with links: Library Account | My Course Reserves | My Alerts | RefWorks. A search bar is located on the right side of the navigation bar, with a 'Search' button. The main content area is divided into two columns. The left column is titled 'Library Web' and contains a search result for 'lexus nexus' with a red box around the link 'LexisNexis Academic'. Below this, there are links to 'Find articles on lexus nexus in:' and 'Quick Search: DLI: NCSU Libraries'. The right column is titled 'Library Catalog' and contains a message: 'No catalog matches found. Please redo your search in the catalog.' Below this, there is a link to 'Catalog (books & more)'. At the bottom of the right column, there is a section titled 'More Search Options' with links to 'Encyclopedias & Dictionaries', 'NCSU Faculty Publications Repository', and 'NCSU Electronic Theses & Dissertations'.

NCSU LIBRARIES

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

MY LIBRARY: Library Account | My Course Reserves | My Alerts | RefWorks

Most Used -

FAQ | Site Index

Search

Search: lexus nexus Go

**Library Web**

LexisNexis Academic  
Search for news, business, legal, medical, and congressional information

Find articles on **lexus nexus** in:  
· General databases: [Quick article search](#)  
· Specialty research databases: [Agricultural Economics](#), [Architecture](#), [Sustainable Agriculture](#), [Business & Management](#), [More...](#)

Quick Search: DLI: NCSU Libraries  
... Links Quick Search Example search: **lexus nexus** Example search: algorithms Example search ...  
<http://www.lib.ncsu.edu/dli/projects/quicksearch/> - Cached

**Tip:** You may also [Search NC State for lexus nexus](#)

**Library Catalog**

No catalog matches found. Please redo your search in the catalog.

- [Catalog](#) (books & more)

**More Search Options**

Find results for **lexus nexus** in:

- [Encyclopedias & Dictionaries](#)
- [NCSU Faculty Publications Repository](#)
- [NCSU Electronic Theses & Dissertations](#)

# Best Bets

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**Search:**

lexus nexus

Go

## Library Web

 [LexisNexis Academic](#)

Search for news, business, legal, medical, and congressional information

 Find articles on **lexus nexus** in:

- General databases: [Quick article search](#)
- Specialty research databases: [Agricultural Economics](#), [Architecture](#), [Sustainable Agriculture](#), [Business & Management](#), [More...](#)

[Quick Search: DLI: NCSU Libraries](#)

... Links Quick Search Example search: **lexus nexus** Example search: algorithms Example search ...

# Best Bets

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Goal:

- Quick access to high demand resources

Mix of:

- Popular databases ('Web of Science')
- Services ('Course Reserves')
- Library information ('Library Hours')

# Best Bets

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How it works:

- Best Bets collection based on top 100 most searched for items
- Specialized search index of xml files representing each Best Bet link
- Keyword-based retrieval returns the single most relevant Best Bet link, if any

# Best Bets

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## Benefits:

- Force popular resources to the top
- Includes items that aren't included in your Web search crawl (e.g. databases)
- Custom <keywords> field enables matching on misspellings or synonyms (e.g. 'Lexus Nexus')
- Custom description displays

# Frequently Asked Questions

The screenshot shows the NCSU Libraries website interface. At the top, there is a navigation bar with links: Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events. Below this is a secondary bar with 'MY LIBRARY:' followed by links to Library Account, My Course Reserves, My Alerts, and RefWorks. A search bar is present with the text 'fines' and a 'Go' button. The main content area is divided into two columns. The left column, titled 'Library Web', contains several links and information snippets related to fines, including 'Library FAQs about fines', 'Are overdue fines charged at the NCSU Libraries?', 'What are the fines for recalled books and overdue reserve items?', 'Find articles on fines in:', 'Laptop Lending', 'Rules on Overdue Materials: NCSU Libraries', 'Frequently Asked Questions on Library Overdue and Renewal...', 'Laptop Lending: NCSU Libraries', 'Course Reserves: Natural Resources Library: NCSU Libraries', and 'Audio Player Lending Policies: NCSU Libraries'. The right column, titled 'Library Catalog', shows 'Top titles' with a list of resources like 'SEC and CFTC [electronic resource]', 'Evaluation of Day Fines in Maricopa County, Arizona, 1991-1993', and 'Fines as a Criminal Sanction [electronic resource]'. It also shows 'Format' with counts for Book (4038), Online (493), Microform (297), Software and Multimedia (72), and Videos and DVDs (60). At the bottom of the right column, it says 'More Search Options' and 'Find results for fines in:' followed by links to 'Encyclopedias & Dictionaries' and 'NCSU Faculty Publications Repository'.

NCSU LIBRARIES

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

MY LIBRARY: Library Account | My Course Reserves | My Alerts | RefWorks

Search: fines

Go

FAQ | Site Index

Search

### Library Web

i Library FAQs about **fines**: (see all 12 results)

- Are overdue fines charged at the NCSU Libraries?
- What are the fines for recalled books and overdue reserve items?

Find articles on **fines** in:

- General databases: Quick article search
- Specialty research databases: Civil Engineering, More...

Laptop Lending

... Laptop Lending Services Borrow/Renew | **Fines**/Charges | Security | Connectivity | Hardware/Software ...

<http://www.lib.ncsu.edu/laptoplending/fines.html> - Cached

Rules on Overdue Materials: NCSU Libraries

... and unreturned library materials. Daily **fines** for most overdue ...

<http://www.lib.ncsu.edu/borrow/overdue.html> - Cached

Frequently Asked Questions on Library Overdue and Renewal...

... the Libraries charge overdue **fines**? A: No, daily ...

<http://www.lib.ncsu.edu/borrow/faq.html> - Cached

Laptop Lending: NCSU Libraries

... the four branch libraries. **Fines**/Charges Overdue laptops will accrue ...

<http://www.lib.ncsu.edu/laptoplending/> - Cached

Course Reserves: Natural Resources Library: NCSU Libraries

... are the late **fines** for reserve items ...

<http://www.lib.ncsu.edu/nrl/reservefaq.html> - Cached

Audio Player Lending Policies: NCSU Libraries

... for all borrowers. No renewal. **Fines**/Fees Overdue notices will go ...

### Library Catalog

#### Top titles

- SEC and CFTC [electronic resource] : most fines collected, but im...
- Evaluation of Day Fines in Maricopa County, Arizona, 1991-1993 [e...]
- Fines as a Criminal Sanction [electronic resource] : Practices an...

See all 4513 titles

#### Format

- Book (4038)
- Online (493)
- Microform (297)
- Software and Multimedia (72)
- Videos and DVDs (60)

Show more...

#### More Search Options

Find results for **fines** in:

- Encyclopedias & Dictionaries
- NCSU Faculty Publications Repository

# Frequently Asked Questions

**NCSU LIBRARIES**

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

**MY LIBRARY:** Library Account | My Course Reserves | My Alerts | RefWorks


– Most Used –

FAQ | Site Index


Search

Search: fines Go

**Library Web**

 Library FAQs about **fines**: (see all 12 results)

- Are overdue fines charged at the NCSU Libraries?
- What are the fines for recalled books and overdue reserve items?

 Find articles on **fines** in:

- General databases: [Quick article search](#)
- Specialty research databases: [Civil Engineering](#), [More...](#)

[Laptop Lending](#)  
... Laptop Lending Services Borrow/Renew | **Fines/Charges** | Security | Connectivity | Hardware/Software ...  
<http://www.lib.ncsu.edu/laptoplending/fines.html> - Cached

[Rules on Overdue Materials: NCSU Libraries](#)  
... and unreturned library materials. Daily **fines** for most overdue ...  
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[Frequently Asked Questions on Library Overdue and Renewal...](#)  
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<http://www.lib.ncsu.edu/laptoplending/> - Cached

[Course Reserves: Natural Resources Library: NCSU Libraries](#)  
... are the late **fines** for reserve items ...  
<http://www.lib.ncsu.edu/nrl/reservefaq.html> - Cached

[Audio Player Lending Policies: NCSU Libraries](#)  
... for all borrowers. No renewal. **Fines/Fees** Overdue notices will go ...

**Library Catalog**

**Top titles**

- [SEC and CFTC \[electronic resource\] : most fines collected, but im...](#)
- [Evaluation of Day Fines in Maricopa County, Arizona, 1991-1993 \[e...](#)
- [Fines as a Criminal Sanction \[electronic resource\] : Practices an...](#)

See all **4513** titles

**Format**

- [Book](#) (4038)
- [Online](#) (493)
- [Microform](#) (297)
- [Software and Multimedia](#) (72)
- [Videos and DVDs](#) (60)

Show more...

**More Search Options**

Find results for **fines** in:


- [Encyclopedias & Dictionaries](#)
- [NCSU Faculty Publications Repository](#)

# Frequently Asked Questions

---

**Search:**

## Library Web

-  Library FAQs about **fines**: ([see all 12 results](#))
  - [Are overdue fines charged at the NCSU Libraries?](#)
  - [What are the fines for recalled books and overdue reserve items?](#)

 Find articles on **fines** in:

- General databases: [Quick article search](#)
- Specialty research databases: [Civil Engineering](#), [More...](#)

## Laptop Lending

... [Laptop Lending Services Borrow/Renew](#) | **Fines/Charges** | [Security](#) | [Connectivity](#) | [Hardware/Software](#) ...



# Frequently Asked Questions

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## Goal:

- Answers to common library questions

## How it works:

- Searches our homegrown FAQ database
- Displays the top two matches from our FAQ database, if any

# Library Web Pages

The screenshot displays the NCSU Libraries website interface. At the top, a red navigation bar contains links: "Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events". Below this, a dark grey bar features "MY LIBRARY:" followed by "Library Account | My Course Reserves | My Alerts | RefWorks". A search bar with the text "compindex" and a "Go" button is visible. The main content area is divided into two columns. The left column, titled "Library Web", lists various resources including "Find articles on compindex in:", "General databases: Quick article search", "Specialty research databases: Browse by subject area", "Compindex: NCSU Libraries", "Abstracts FAQ | Site Index Databases: Compindex Compindex", "Coverage: 1884-present. Subject areas", "Compindex: NCSU Libraries MY LIBRARY : Library ...", "http://www.lib.ncsu.edu/searchcollection/data ... ?database=24254 - Cached", "Tutorials - Find Articles Page 4", "... Education ERIC Engineering & Technology Compindex History America: History and ...", "http://www.lib.ncsu.edu/tutorials/index.php?o ... =1&limitstart=3 - Cached", "Graduate Chemistry Research: Subject Guide: NCSU Libraries", "... MEDLINE, and Toxicology Abstracts . Compindex Coverage of engineering ...", "http://www.lib.ncsu.edu/guides/chemgrad/journal.html - Cached", "Browse Aerospace Engineering: NCSU Libraries", "... Databases for Aerospace Engineering Compindex Aerospace & High Technology Database ...", "http://www2.lib.ncsu.edu/browsesubjects/?subj ... subject\_group=4 - Cached", "Finding Older Articles: Subject Guide: NCSU Libraries", "... to use print indexes. Engineering Compindex , an online database, goes back ...", "http://www.lib.ncsu.edu/guides/older\_articles/ - Cached", and "Browse Chemical Engineering: NCSU Libraries". The right column, titled "Library Catalog", includes "Top titles" with links to "Compindex [electronic resource]", "Materials handling in manufacturing (Jan 86 - Mar 88) : citations...", and "Quality control.", a "See all 4 titles" link, "Format" options like "Book (2)", "Online (1)", and "Journal, Magazine, or Serial (1)", a "Show more..." link, and "More Search Options" with links to "Encyclopedias & Dictionaries", "NCSU Faculty Publications Repository", and "NCSU Electronic Theses & Dissertations".

**NCSU LIBRARIES**

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

**MY LIBRARY:** Library Account | My Course Reserves | My Alerts | RefWorks

Search: compindex Go

**Library Web**

Find articles on **compindex** in:

- General databases: [Quick article search](#)
- Specialty research databases: [Browse by subject area](#)

[Compindex: NCSU Libraries](#)

... Abstracts FAQ | Site Index Databases: **Compindex Compindex**

Coverage: 1884-present. Subject areas **Compindex: NCSU Libraries MY LIBRARY : Library ...**

<http://www.lib.ncsu.edu/searchcollection/data ... ?database=24254> - Cached

[Tutorials - Find Articles Page 4](#)

... Education ERIC Engineering & Technology **Compindex** History America: History and ...

<http://www.lib.ncsu.edu/tutorials/index.php?o ... =1&limitstart=3> - Cached

[Graduate Chemistry Research: Subject Guide: NCSU Libraries](#)

... MEDLINE, and Toxicology Abstracts . **Compindex** Coverage of engineering ...

<http://www.lib.ncsu.edu/guides/chemgrad/journal.html> - Cached

[Browse Aerospace Engineering: NCSU Libraries](#)

... Databases for Aerospace Engineering **Compindex** Aerospace & High Technology Database ...

[http://www2.lib.ncsu.edu/browsesubjects/?subj ... subject\\_group=4](http://www2.lib.ncsu.edu/browsesubjects/?subj ... subject_group=4) - Cached

[Finding Older Articles: Subject Guide: NCSU Libraries](#)

... to use print indexes. Engineering **Compindex** , an online database, goes back ...

[http://www.lib.ncsu.edu/guides/older\\_articles/](http://www.lib.ncsu.edu/guides/older_articles/) - Cached

[Browse Chemical Engineering: NCSU Libraries](#)

**Library Catalog**

**Top titles**

- Compindex [electronic resource]
- Materials handling in manufacturing (Jan 86 - Mar 88) : citations...
- Quality control.

[See all 4 titles](#)

**Format**

- Book (2)
- Online (1)
- Journal, Magazine, or Serial (1)

[Show more...](#)

**More Search Options**

Find results for **compindex** in:

- Encyclopedias & Dictionaries
- NCSU Faculty Publications Repository
- NCSU Electronic Theses & Dissertations

# Library Web Pages

**NCSU LIBRARIES**

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

**MY LIBRARY:** Library Account | My Course Reserves | My Alerts | RefWorks

Most Used

FAQ | Site Index

Search

Search: compendex Go

**Library Web**

Find articles on **compendex** in:

- General databases: [Quick article search](#)
- Specialty research databases: [Browse by subject area](#)

[Compendex: NCSU Libraries](#)  
... Abstracts FAQ | Site Index Databases: **Compendex Compendex**  
Coverage: 1884-present. Subject areas**Compendex**: NCSU Libraries MY  
LIBRARY : Library ...  
<http://www.lib.ncsu.edu/searchcollection/data ... ?database=24254> - Cached

[Tutorials - Find Articles Page 4](#)  
... Education ERIC Engineering & Technology **Compendex** History America:  
History and ...  
<http://www.lib.ncsu.edu/tutorials/index.php?o ... =1&limitstart=3> - Cached

[Graduate Chemistry Research: Subject Guide: NCSU Libraries](#)  
... MEDLINE, and Toxicology Abstracts . **Compendex** Coverage of  
engineering ...  
<http://www.lib.ncsu.edu/guides/chemgrad/journal.html> - Cached

[Browse Aerospace Engineering: NCSU Libraries](#)  
... Databases for Aerospace Engineering **Compendex** Aerospace & High  
Technology Database ...  
[http://www2.lib.ncsu.edu/browsesubjects/?subj ... subject\\_group=4](http://www2.lib.ncsu.edu/browsesubjects/?subj ... subject_group=4) - Cached

[Finding Older Articles: Subject Guide: NCSU Libraries](#)  
... to use print indexes. Engineering **Compendex** , an online database, goes  
back ...  
[http://www.lib.ncsu.edu/guides/older\\_articles/](http://www.lib.ncsu.edu/guides/older_articles/) - Cached

[Browse Chemical Engineering: NCSU Libraries](#)

**Library Catalog**

**Top titles**

- Compendex [electronic resource]
- Materials handling in manufacturing (Jan 86 - Mar 88) : citations...
- Quality control.

See all 4 titles

**Format**

- Book (2)
- Online (1)
- Journal, Magazine, or Serial (1)

Show more...

**More Search Options**

Find results for **compendex** in:

- Encyclopedias & Dictionaries
- NCSU Faculty Publications Repository
- NCSU Electronic Theses & Dissertations

# Library Web Pages

---

## Goal:

- Provide relevant Google-style search results for our library website

## How it works:


- Locally managed search engine crawls library website once a week
- We control what gets crawled

# Catalog Results

**NCSU LIBRARIES**

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events


**MY LIBRARY:** Library Account | My Course Reserves | My Alerts | RefWorks

 - Most Used -

FAQ | Site Index

**Search:**

### Library Web

 Find articles on **moby dick** in:

- General databases: [Quick article search](#)
- Specialty research databases: [Browse by subject area](#)

[Tutorials - Cite Your Sources Page 5](#)  
... in Libraries," 1998) or ( **Moby Dick** , 1940) Follow the author ...  
<http://www.lib.ncsu.edu/tutorials/index.php?o...=1&limitstart=4> - [Cached](#)

[Tutorials - Cite Your Sources Page 4](#)  
... in Libraries" 22) or ( **Moby Dick** 312) Follow the author ...  
<http://www.lib.ncsu.edu/tutorials/index.php?o...=1&limitstart=3> - [Cached](#)

**Tip:** You may also [Search NC State for moby dick](#)

### Library Catalog

#### Top titles

- [Ungraspable phantom : essays on Moby-Dick](#)
- [The errant art of Moby-Dick : the canon, the Cold War, and the st...](#)
- [The critical response to Herman Melville's Moby Dick](#)

[See all 160 titles](#)

#### Format

- [Book](#) (155)
- [Online](#) (12)
- [NCSU Thesis/Dissertation](#) (3)
- [Videos and DVDs](#) (2)
- [Audio](#) (1)

[Show more...](#)

#### More Search Options

Find results for **moby dick** in:

- [Encyclopedias & Dictionaries](#)
- [NCSU Faculty Publications Repository](#)
- [NCSU Electronic Theses & Dissertations](#)

# Catalog Results

**NCSU LIBRARIES**

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

**MY LIBRARY:** Library Account | My Course Reserves | My Alerts | RefWorks

Most Used

FAQ | Site Index

Search

Search: moby dick Go

**Library Web**  
Find articles on **moby dick** in:  
• General databases: [Quick article search](#)  
• Specialty research databases: [Browse by subject area](#)  
[Tutorials - Cite Your Sources Page 5](#)  
... in Libraries," 1998) or ( **Moby Dick** , 1940) Follow the author ...  
<http://www.lib.ncsu.edu/tutorials/index.php?o...=1&limitstart=4> - [Cached](#)  
[Tutorials - Cite Your Sources Page 4](#)  
... in Libraries" 22) or ( **Moby Dick** 312) Follow the author ...  
<http://www.lib.ncsu.edu/tutorials/index.php?o...=1&limitstart=3> - [Cached](#)  
**Tip:** You may also [Search NC State for moby dick](#)

**Library Catalog**  
**Top titles**

- [Ungraspable phantom : essays on Moby-Dick](#)
- [The errant art of Moby-Dick : the canon, the Cold War, and the st...](#)
- [The critical response to Herman Melville's Moby Dick](#)

[See all 160 titles](#)  
**Format**

- [Book](#) (155)
- [Online](#) (12)
- [NCSU Thesis/Dissertation](#) (3)
- [Videos and DVDs](#) (2)
- [Audio](#) (1)

[Show more...](#)

**More Search Options**  
Find results for **moby dick** in:

- [Encyclopedias & Dictionaries](#)
- [NCSU Faculty Publications Repository](#)
- [NCSU Electronic Theses & Dissertations](#)

# Catalog Results

---

## Goal:

- Direct users to native catalog interface for catalog specific searches
- Provide a direct link to the most relevant catalog matches for their search

# Catalog Results

---

How it works:

- Ajax request to a locally developed catalog web services api (CatalogWS)
- Module displays:
  - Top three matching titles
  - Top five matching “Format” facet values
- CatalogWS provides us with more detailed information, if we ever need it



# Journal Title Results

**NCSU LIBRARIES**

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

**MY LIBRARY:** Library Account | My Course Reserves | My Alerts | RefWorks

- Most Used -

FAQ | Site Index

Search

**Search:** amer journal of psychology

**Library Web**

Journal matches for **amer journal of psychology**:

- [American journal of psychology](#)

Find articles on **amer journal of psychology** in:

- General databases: [Quick article search](#)
- Specialty research databases: [Psychology](#), [Education](#), [Leadership & Counselor Education](#), [Landscape Architecture](#), [More...](#)

[Careers in Psychology: Subject Guide: NCSU Libraries](#)

[... Careers in \*\*Psychology\*\*: Subject Guide: NCSU Libraries MY ...](#)

<http://www.lib.ncsu.edu/guides/psychology/psychcareers.html> - [Cached](#)

[Browse Anthropology: NCSU Libraries](#)

[... Used - Catalog Reserves Find Articles \*\*Journal\*\* List Citation Builder](#)

[Tripsaver Top ...](#)

[http://www2.lib.ncsu.edu/browsesubjects/?subj ... subject\\_group=5](http://www2.lib.ncsu.edu/browsesubjects/?subj ... subject_group=5) - [Cached](#)

[Browse Anthropology: NCSU Libraries](#)

[... Used - Catalog Reserves Find Articles \*\*Journal\*\* List Citation Builder](#)

[Tripsaver Top ...](#)

[http://www2.lib.ncsu.edu/browsesubjects/?subj ... bject\\_group=11](http://www2.lib.ncsu.edu/browsesubjects/?subj ... bject_group=11) - [Cached](#)

[NCSU Libraries Focus Online, volume 26 number 3 \(spring 2...](#)

[... fall in the \*\*journal\*\* Information Technology and Libraries ...](#)

<http://www.lib.ncsu.edu/publications/focusonl ... /FocOn.26.3.pdf> - [Cached](#)

**Library Catalog**

*No catalog matches found. Please redo your search in the catalog.*

- [Catalog](#) (books & more)

**More Search Options**

Find results for **amer journal of psychology** in:

- [Encyclopedias & Dictionaries](#)
- [NCSU Faculty Publications Repository](#)
- [NCSU Electronic Theses & Dissertations](#)

# Journal Title Results

**NCSU LIBRARIES**

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

**MY LIBRARY:** Library Account | My Course Reserves | My Alerts | RefWorks


- Most Used -

FAQ | Site Index


Search

**Search:** amer journal of psychology

**Library Web**

 Journal matches for **amer journal of psychology**:

- [American journal of psychology](#)

 Find articles on **amer journal of psychology** in:

- General databases: [Quick article search](#)
- Specialty research databases: [Psychology](#), [Education](#), [Leadership & Counselor Education](#), [Landscape Architecture](#), [More...](#)

[Careers in Psychology: Subject Guide: NCSU Libraries](#)  
... Careers in **Psychology**: Subject Guide: NCSU Libraries MY ...  
<http://www.lib.ncsu.edu/guides/psychology/psychcareers.html> - [Cached](#)

[Browse Anthropology: NCSU Libraries](#)  
... Used - Catalog Reserves Find Articles **Journal** List Citation Builder  
Tripsaver Top ...  
[http://www2.lib.ncsu.edu/browsesubjects/?subj...subject\\_group=5](http://www2.lib.ncsu.edu/browsesubjects/?subj...subject_group=5) - [Cached](#)

[Browse Anthropology: NCSU Libraries](#)  
... Used - Catalog Reserves Find Articles **Journal** List Citation Builder  
Tripsaver Top ...  
[http://www2.lib.ncsu.edu/browsesubjects/?subj...subject\\_group=11](http://www2.lib.ncsu.edu/browsesubjects/?subj...subject_group=11) - [Cached](#)

[NCSU Libraries Focus Online, volume 26 number 3 \(spring 2...](#)  
... fall in the **journal** Information Technology and Libraries ...  
<http://www.lib.ncsu.edu/publications/focusonl.../FocOn.26.3.pdf> - [Cached](#)

**Library Catalog**

*No catalog matches found. Please redo your search in the catalog.*

- [Catalog](#) (books & more)

**More Search Options**

Find results for **amer journal of psychology** in:

- [Encyclopedias & Dictionaries](#)
- [NCSU Faculty Publications Repository](#)
- [NCSU Electronic Theses & Dissertations](#)

# Journal Title Results

---

**Search:**

## Library Web

 Journal matches for **amer journal of psychology**:

- [American journal of psychology](#)

 Find articles on **amer journal of psychology** in:

- General databases: [Quick article search](#)
- Specialty research databases: [Psychology](#), [Education](#), [Leadership & Counselor Education](#), [Landscape Architecture](#), [More...](#)

[Careers in Psychology: Subject Guide: NCSU Libraries](#)

... [Careers in \*\*Psychology\*\*: Subject Guide: NCSU Libraries MY ...](#)

<http://www.lib.ncsu.edu/guides/psychology/psychcareers.html> - [Cached](#)

# Journal Title Results

---

## Goal:

- Provide direct links to journals for known item journal title searches

## How it works:

- Remote request to the Journal List for the top three matching titles
- Only displays if there is a direct match

# Find Articles

---

- Article search: toughest nut to crack
- Library metasearch is slow and poorly ranked, making direct integration of metasearch results difficult to do well
- Google Scholar is fast, but does not accurately represent library holdings
- The Find Articles Module is a stop-gap until something better comes along

# Find Articles

**NCSU LIBRARIES**

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

**MY LIBRARY:** Library Account | My Course Reserves | My Alerts | RefWorks

Most Used

FAQ | Site Index

Search

Search: music therapy Go

**Library Web**

**i** Library FAQs about **music therapy**:

- How do I find music scores?

**📖** Find articles on **music therapy** in:

- General databases: [Quick article search](#)
- Specialty research databases: [Music](#), [Curriculum & Instruction](#), [Education](#), [Communication & Media](#), [More...](#)

[Tutorials - LOBO: Psychology](#)

... Intelligence tests Learning disabilities Memory **Music therapy** Physical attraction Repressed memories Schizophrenia ...

<http://www.lib.ncsu.edu/tutorials/index.php?o ... id=33&Itemid=63> - [Cached](#)

<http://www.lib.ncsu.edu/publications/NLarchiv ... .25/NL.25.1.pdf>

... for Design 19th Century **Music** 21C Scanning for the ...

<http://www.lib.ncsu.edu/publications/NLarchiv ... .25/NL.25.1.pdf> - [Cached](#)

<http://www.lib.ncsu.edu/usability/documents/e ... a-script-r1.doc>

... find books, ebooks, journals, movies, **music**, government documents, and other ...

<http://www.lib.ncsu.edu/usability/documents/e ... a-script-r1.doc> - [Cached](#)

[Veterinary Medicine Library - 2006 News](#)

... a dog receiving immunosuppressive **therapy**. JOURNAL OF VETERINARY ...

<http://www.lib.ncsu.edu/news/vetmed.php?m=2006> - [Cached](#)

[Encyclopedias: Reference Tools: NCSU Libraries](#)

... metalwork, and more). Grove **Music** Online An integrated **music** resource on the web ... in the arts, literature, ...

<http://www.lib.ncsu.edu/searchcollection/refer ... cyclopedias.php> - [Cached](#)

**Library Catalog**

**Top titles**

- [Music therapy and group work : sound company](#)
- [Music therapy in palliative care : new voices](#)
- [Music therapy in palliative care \[electronic resource\] : new voices](#)

[See all 114 titles](#)

**Format**

- [Book](#) (100)
- [Online](#) (11)
- [Microform](#) (10)
- [Videos and DVDs](#) (3)
- [Software and Multimedia](#) (2)

[Show more...](#)

**More Search Options**

Find results for **music therapy** in:

- [Encyclopedias & Dictionaries](#)
- [NCSU Faculty Publications Repository](#)
- [NCSU Electronic Theses & Dissertations](#)

# Find Articles

**NCSU LIBRARIES**

Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

**MY LIBRARY:** Library Account | My Course Reserves | My Alerts | RefWorks

Most Used

FAQ | Site Index

Search

Search: music therapy Go

**Library Web**

Library FAQs about **music therapy**:

- How do I find music scores?

Find articles on **music therapy** in:

- General databases: [Quick article search](#)
- Specialty research databases: [Music](#), [Curriculum & Instruction](#), [Education](#), [Communication & Media](#), [More...](#)

[Tutorials - LOBO: Psychology](#)  
... Intelligence tests Learning disabilities Memory **Music therapy** Physical attraction Repressed memories Schizophrenia ...  
<http://www.lib.ncsu.edu/tutorials/index.php?o ... id=33&Itemid=63> - [Cached](#)

<http://www.lib.ncsu.edu/publications/NLarchiv ... .25/NL.25.1.pdf>  
... for Design 19th Century **Music** 21C Scanning for the ...  
<http://www.lib.ncsu.edu/publications/NLarchiv ... .25/NL.25.1.pdf> - [Cached](#)

<http://www.lib.ncsu.edu/usability/documents/e ... a-script-r1.doc>  
... find books, ebooks, journals, movies, **music**, government documents, and other ...  
<http://www.lib.ncsu.edu/usability/documents/e ... a-script-r1.doc> - [Cached](#)

[Veterinary Medicine Library - 2006 News](#)  
... a dog receiving immunosuppressive **therapy**. JOURNAL OF VETERINARY ...  
<http://www.lib.ncsu.edu/news/vetmed.php?m=2006> - [Cached](#)

[Encyclopedias: Reference Tools: NCSU Libraries](#)  
... metalwork, and more). Grove **Music** Online An integrated **music** resource on the web ... in the arts, literature, ...  
<http://www.lib.ncsu.edu/searchcollection/refer ... cyclopedias.php> - [Cached](#)

**Library Catalog**

**Top titles**

- Music therapy and group work : sound company
- Music therapy in palliative care : new voices
- Music therapy in palliative care [electronic resource] : new voices

[See all 114 titles](#)

**Format**

- Book (100)
- Online (11)
- Microform (10)
- Videos and DVDs (3)
- Software and Multimedia (2)

[Show more...](#)

**More Search Options**

Find results for **music therapy** in:


- Encyclopedias & Dictionaries
- NCSU Faculty Publications Repository
- NCSU Electronic Theses & Dissertations

# Find Articles

---

**Search:**

## Library Web

 Library FAQs about **music therapy**:

- [How do I find music scores?](#)

 Find articles on **music therapy** in:

- General databases: [Quick article search](#)
- Specialty research databases: [Music, Curriculum & Instruction, Education, Communication & Media, More...](#)

[Tutorials - LOBO: Psychology](#)

... [Intelligence tests](#) [Learning disabilities](#) [Memory](#) **Music therapy** [Physical attraction](#) [Repressed memories](#) [Schizophrenia](#) ...



# Find Articles

---

## Goal:

- Direct users to the best place to initiate an article search

## How it works:

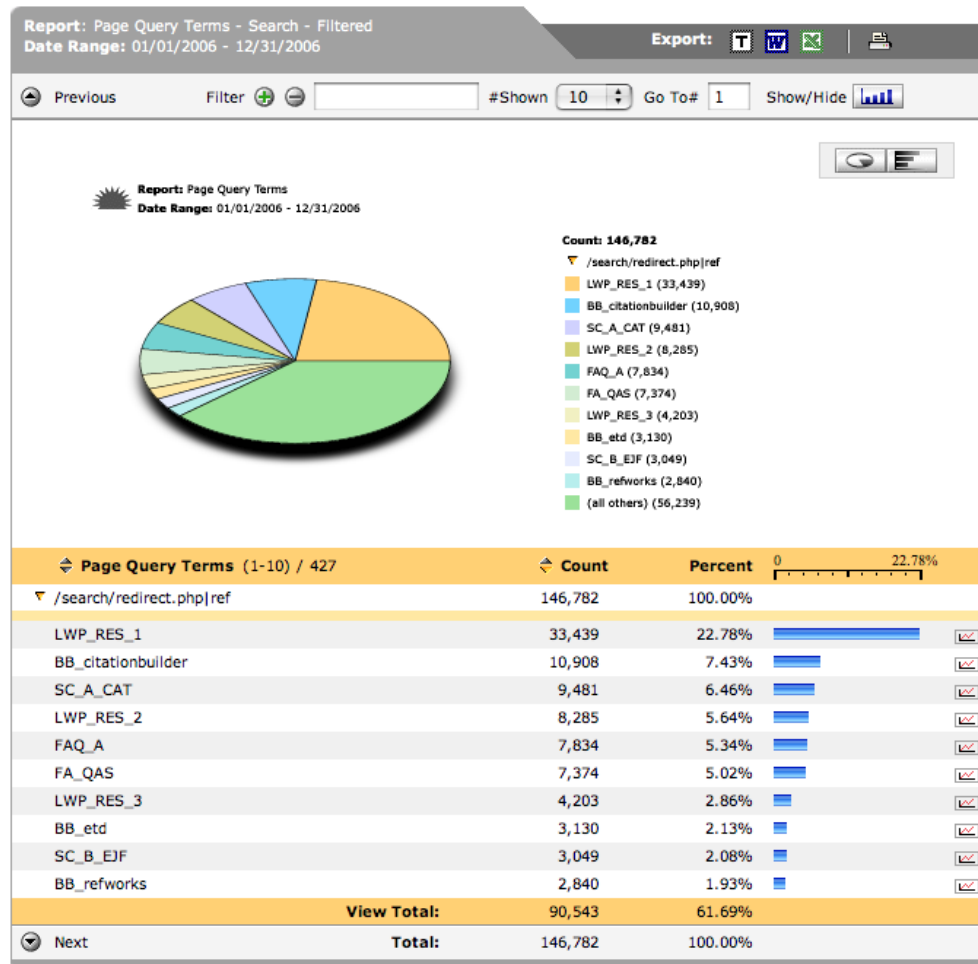
- “Quick article search” link passes search to Academic Search Premier
- Subject links go to subject portal page listing core databases mapped to the subject

# Technology

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- Homegrown front end based on open source technologies
  - PHP for website programming
  - SWISH-E for local content indexing
  - Nutch for website search results
  - Ajax for catalog and journal results
- Not a standalone product
- Highly adapted to our diverse library systems infrastructure

# Usage Statistics



# Usage Statistics Method

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- Web stats enhanced by collecting click data on the individual link level rather than just the page level
- Individual links tracked using a unique “reference” code
- Aggregated click totals for each link visible through Urchin “Page Query Terms” feature

# Usage Statistics Method

Example:

The screenshot displays the NCSU Libraries website interface. At the top, a navigation bar includes links for 'Search the Collection', 'Browse Subjects', 'Services', 'Library Information', 'Community', and 'News & Events'. Below this, a secondary bar features 'MY LIBRARY' with links to 'Library Account', 'My Course Reserves', 'My Alerts', and 'RefWorks'. A search bar is positioned on the right of this bar, with a 'Search' button. The main content area is divided into two columns. The left column, titled 'Library Web', contains several links and information related to 'Immunology', including 'Journal matches for immunology', 'Find articles on immunology', 'Immunology Collections', 'Browse Immunology', and 'Immunology Abstracts'. The right column, titled 'Library Catalog', lists 'Top titles' such as 'Handbook of vertebrate immunology', 'Immunology for surgeons', and 'Cellular and molecular immunology'. It also shows 'Format' options like 'Book (2091)', 'Online (146)', 'Journal, Magazine, or Serial (140)', 'Microform (53)', and 'NCSU Thesis/Dissertation (34)'. A 'More Search Options' section at the bottom right lists 'Encyclopedias & Dictionaries', 'NCSU Scholarly Publications Repository', and 'NCSU Electronic Theses & Dissertations'.

**NCSU LIBRARIES** Search the Collection | Browse Subjects | Services | Library Information | Community | News & Events

**MY LIBRARY:** Library Account | My Course Reserves | My Alerts | RefWorks

Search:

**Library Web**

- Journal matches for **immunology**: (See all 6 titles)
  - Immunology
  - Immunology Endocrine and Metabolic Agents in Medicinal Chemistry
  - Immunology and allergy clinics of North America
- Find articles on **immunology** in:
  - General databases: [Quick article search](#)
  - Specialty research databases: [Immunology](#), [Biology](#), [Pharmacology](#), [Veterinary Medicine](#), [More...](#)
- [Immunology Collections: Special Collections Research Cent...](#)
  - ... site Special Collections Research Center **Immunology** Collections
  - University Archives Collections relating **Immunology** Collections: Special Collections Research Center ...
  - <http://www.lib.ncsu.edu/specialcollections/ri ... immunology.html> - Cached
- [Browse Immunology: NCSU Libraries](#)
  - ... Browse **Immunology**: NCSU Libraries MY LIBRARY : Library ...
  - [http://www2.lib.ncsu.edu/browsesubjects/?subj ... subject\\_group=6](http://www2.lib.ncsu.edu/browsesubjects/?subj ... subject_group=6) - Cached
- [Browse Immunology: NCSU Libraries](#)
  - ... Browse **Immunology**: NCSU Libraries MY LIBRARY : Library ...
  - [http://www2.lib.ncsu.edu/browsesubjects/?subj ... ubject\\_group=13](http://www2.lib.ncsu.edu/browsesubjects/?subj ... ubject_group=13) - Cached
- [Immunology Abstracts: NCSU Libraries](#)
  - ... Abstracts FAQ | Site Index Databases: **Immunology** Abstracts
  - Immunology** Abstracts **Immunology** ranks as one of ... deficiencies and autoimmunity. ...
  - <http://www.lib.ncsu.edu/searchcollection/data ... ?database=23972> - Cached
- [NCSU Libraries](#)
  - ... Wildlife Sciences Genetics & Genomics **Immunology** Marine Science Medicine, Human Microbiology ...
  - <http://www.lib.ncsu.edu/> - Cached
- [Databases: NCSU Libraries](#)
  - ... of Science & Technology Horticulture **Immunology** Industrial Design

**Library Catalog**

**Top titles**

- Handbook of vertebrate immunology
- Immunology for surgeons
- Cellular and molecular immunology

[See all 2316 titles](#)

**Format**

- Book (2091)
- Online (146)
- Journal, Magazine, or Serial (140)
- Microform (53)
- NCSU Thesis/Dissertation (34)

[More...](#)

**More Search Options**

Find results for **immunology** in:

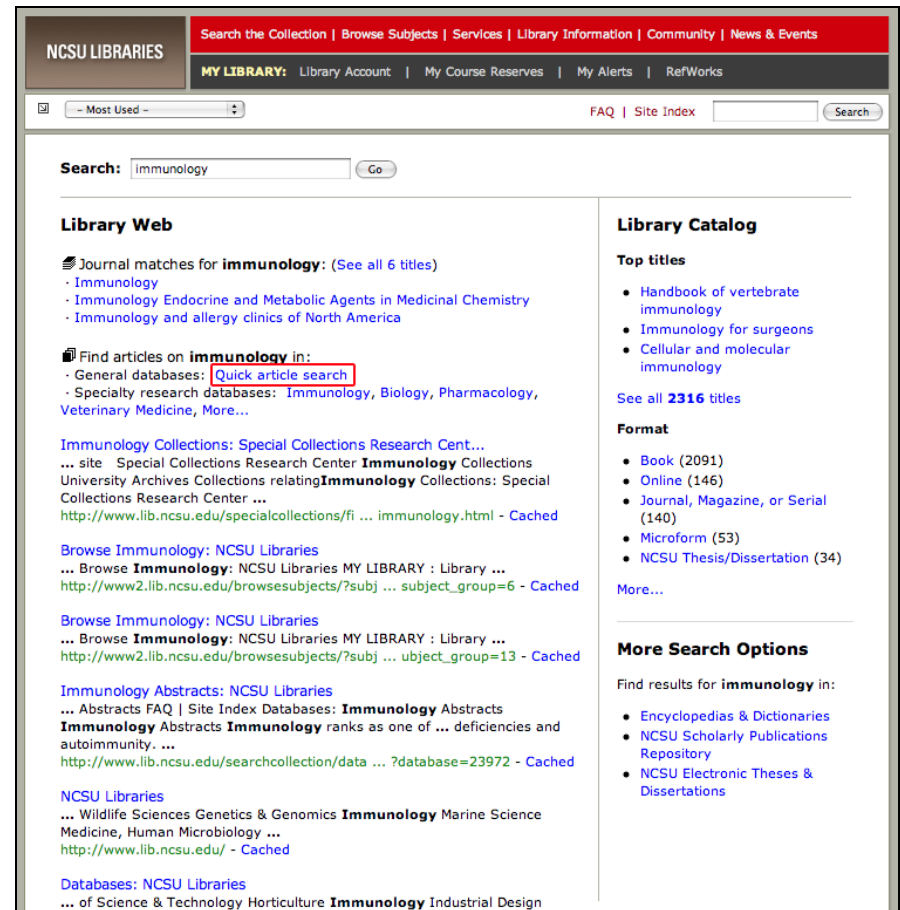
- Encyclopedias & Dictionaries
- NCSU Scholarly Publications Repository
- NCSU Electronic Theses & Dissertations

# Usage Statistics Method

Example:

`<a href="redirect.php?  
target=[destination_url]  
&ref=FA_QAS">`

Find Articles module,  
“Quick article search”

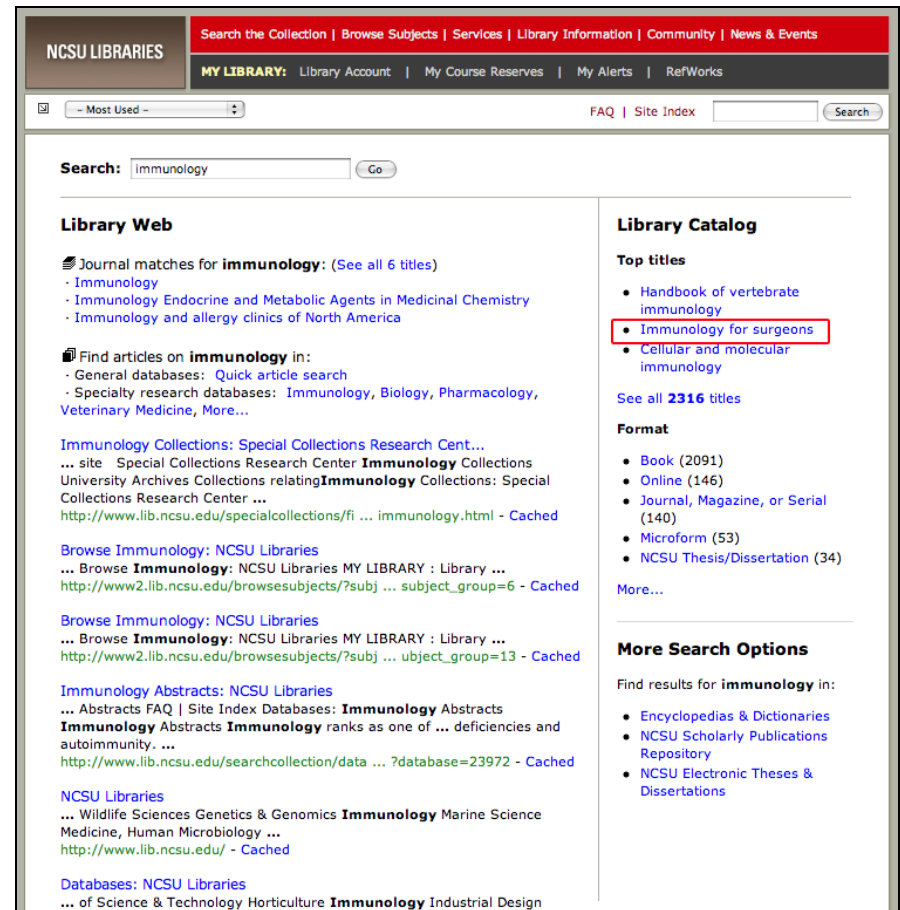


# Usage Statistics Method

Example:

```
<a href="redirect.php?
target=[destination_url]
&ref=CAT_RES_2">
```

Catalog Results module,  
second result



# Usage Statistics Method

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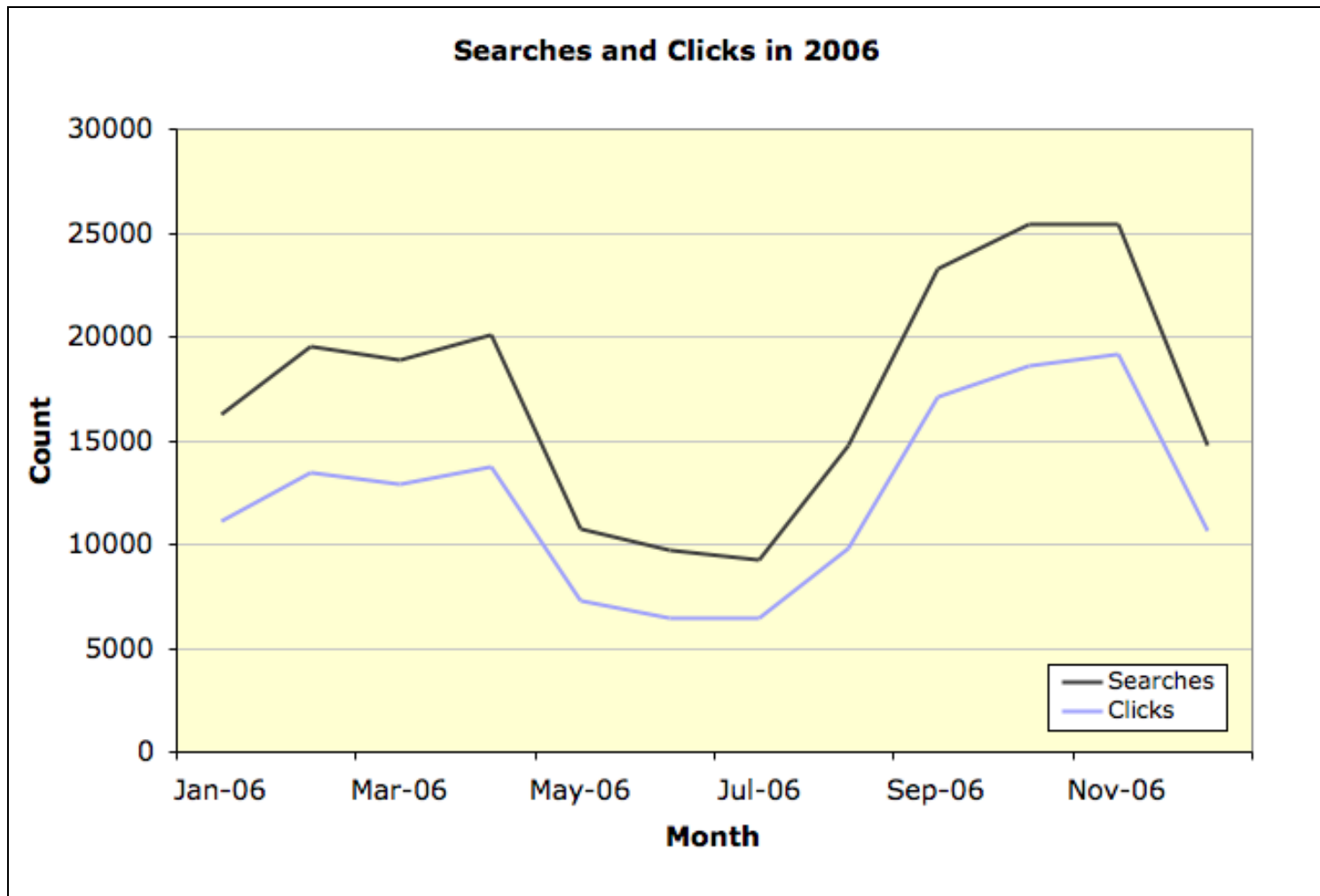
## Benefits:

- Enables comparative performance on the module level
- Allows comparative clickthrough analysis within a module
- Enables application specific analysis



# Seasonality of Library Search

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# Top Search Terms in 2006

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1. citation builder
2. refworks
3. web of science
4. jstor
5. citation

1. lobo
2. thesis
3. gis
4. etd
5. ieee

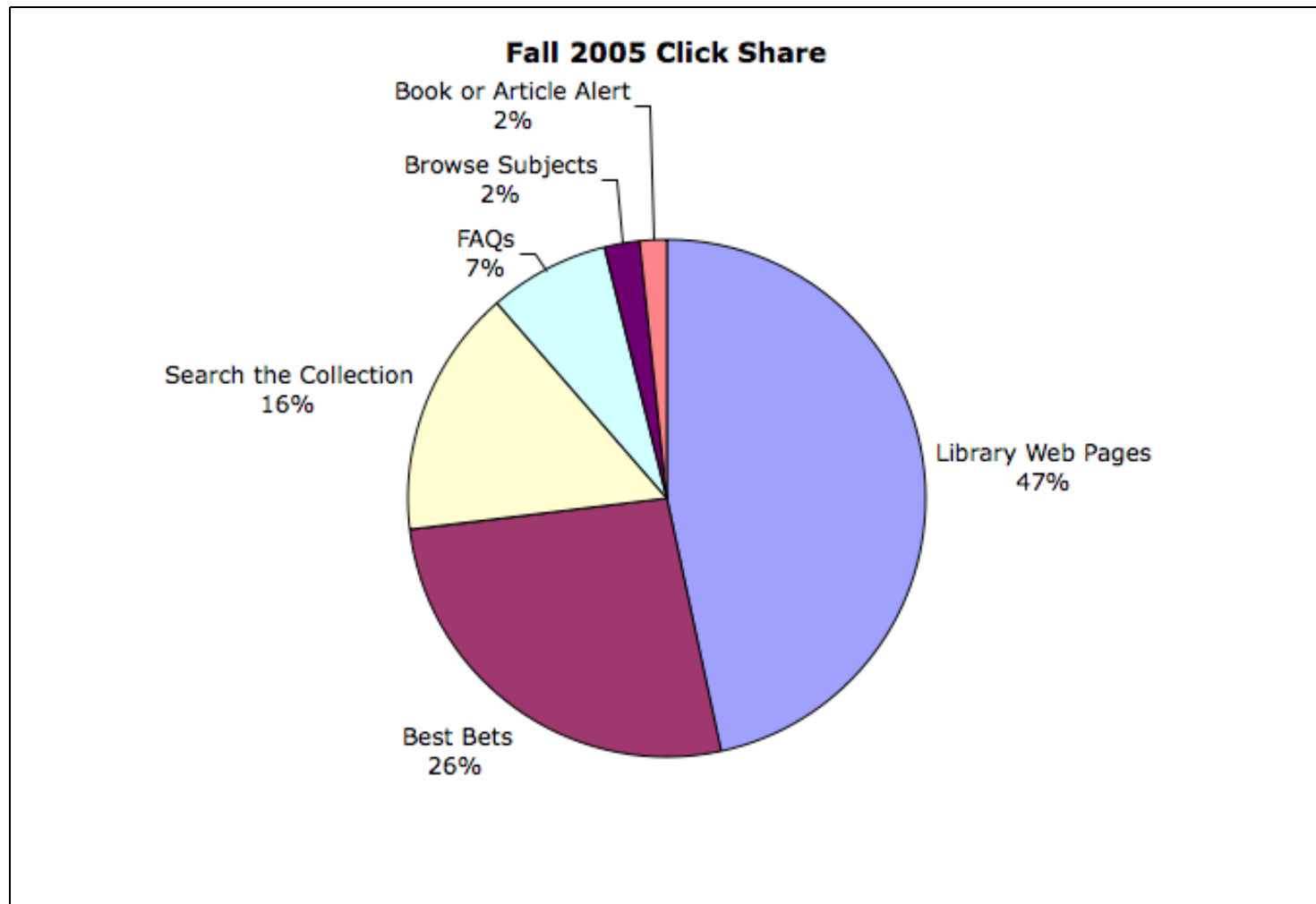
# Year to Year Comparison

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	Fall 2005	Fall 2006
Searches per day	548	757
Sessions per day	331	472
Searches per session	1.66	1.60
Length of Session	00:03:17	00:03:18
Total searches	58552	81105
Total clicks	38995	60147
Clicks per search	0.67	0.74

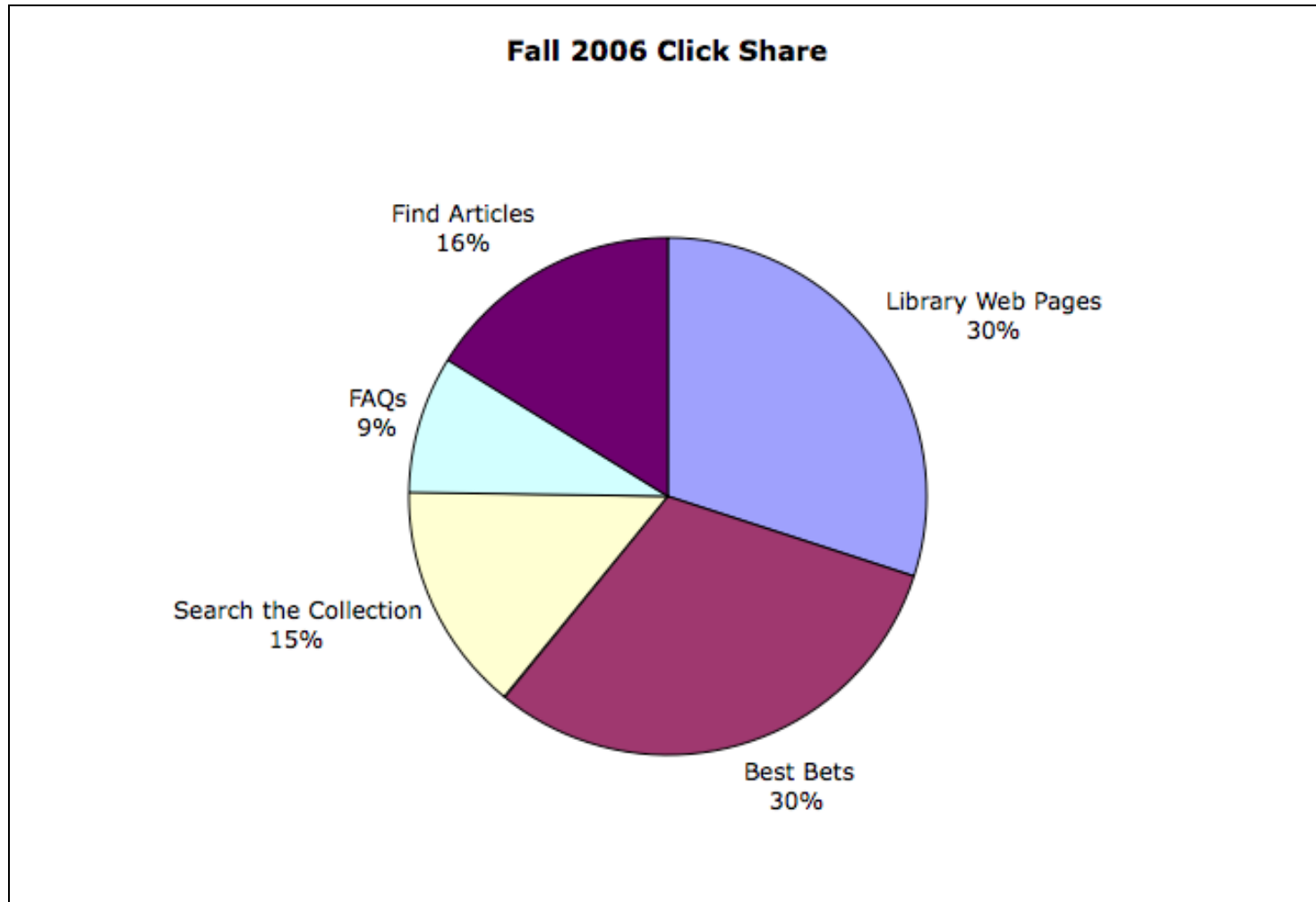
# Fall 2005 Module Usage

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# Fall 2006 Module Usage

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# Most Clicked Links in 2006

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1. Library Web Pages - First Result	22.8%
2. Best Bets - Citation Builder	7.4%
3. Search the Collection - Catalog	6.5%
4. Library Web Pages - Second Result	5.6%
5. Frequently Asked Questions - First Result	5.3%
6. Find Articles - Quick Article Search	5.0%
7. Library Web Pages - Third Result	2.9%
8. Best Bets - Electronic Theses and Dissertations	2.1%
9. Search the Collection - Journal Titles	2.1%
10. Best Bets - Refworks	1.9%

# Challenges and Issues

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- Redundant results
- Finding articles
- How to deal with local stuff
  - Digitized collections
  - Institutional repositories

# Lessons Learned

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## **Library search behavior *\*is\** diverse**

Search logs confirm that when presented with a single search box on a library homepage, users search for a wide-range of resources, services, tools; they don't assume a single library collection type (e.g. catalog, articles)



# Lessons Learned

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**There is high user demand for a simple way to find articles**

Our Find Articles module gets a lot of use, particularly the “quick article search” link; libraries should be doing more to make the process of finding articles easier

# Lessons Learned

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**Subject recommendations (in current form) are not very popular**

Although users frequently enter open-ended topical searches, they don't seem to respond to our current implementation of subject recommendations; we don't know why, yet

# Lessons Learned

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## **Power law is in effect for library search**

An exceedingly small number of library resources account for a sizable percentage of all searches and clicks; it pays to make these high demand resources easier to find

# Lessons Learned

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**In terms of library search, we still have a lot of work ahead of us**

Libraries spend enormous resources on acquiring, cataloguing, and licensing content in a variety of forms; we need to make it easier to access all of this information; we ought to know more about how people search

# More Information

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Project Page:

<http://www.lib.ncsu.edu/dli/projects/quicksearch/>

# Thanks!

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