
A Scalable Approach to Providing Course-based Access to Library Resources

Tito Sierra, Jason Casden, and Kim Duckett
NCSU Libraries
DLF Fall Forum 2008
November 13, 2008

Outline

- Background
- Introducing “Course Views”
- Demo
- Technical Implementation
- Usage
- Lessons Learned

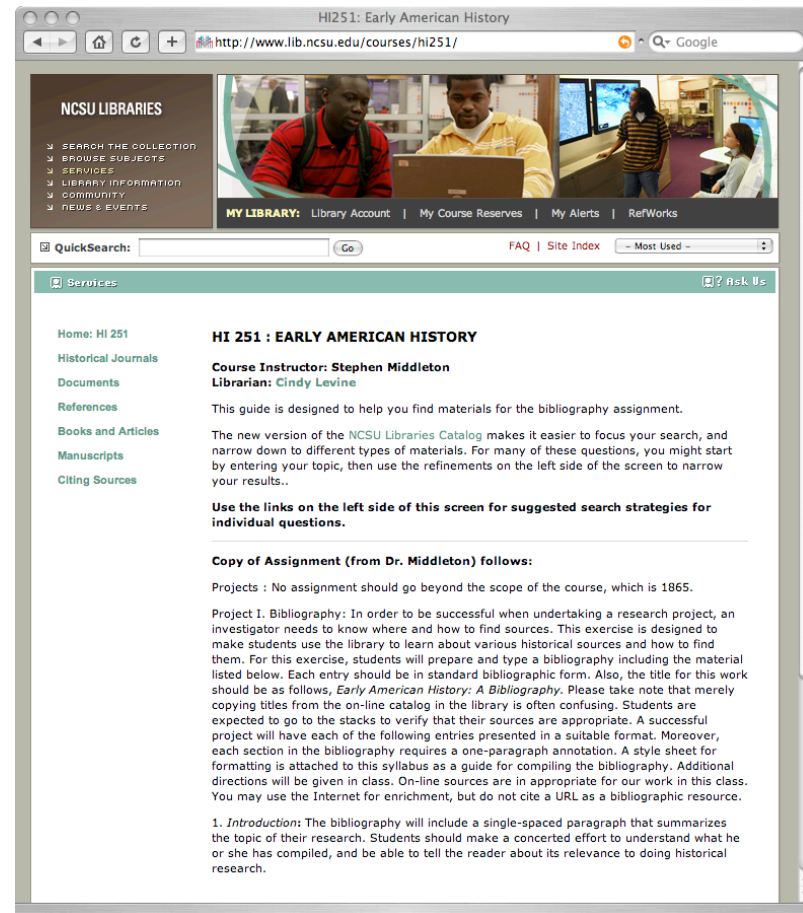
Background

Our Environment

- Large institution (30,000+ students)
- Many courses (6000+ courses)
- Mixed LMS Environment
 - Blackboard Vista
 - Moodle
 - WolfWare (legacy filesystem solution)

Library Course Pages

- Hand-authored course guides
- Assignment focused
- Do not represent the range of stuff the library has to offer

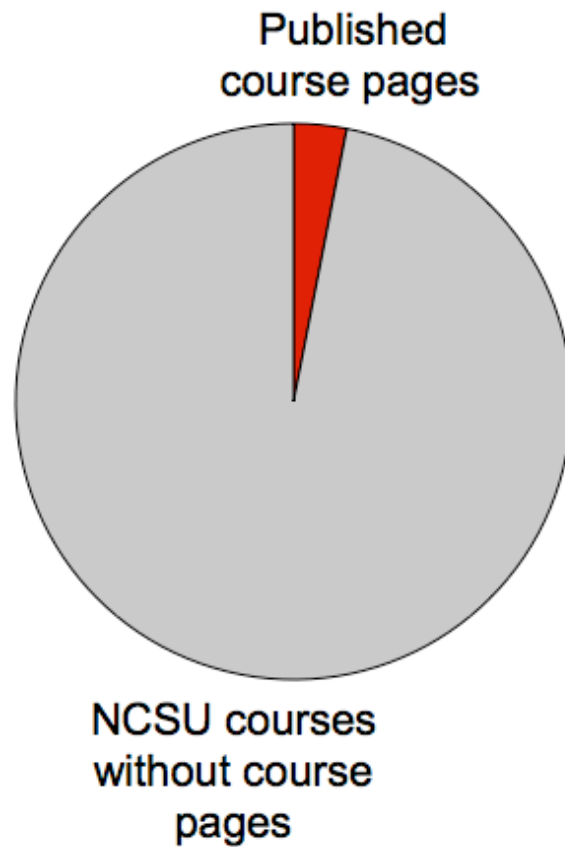


Library Course Pages

- Hand-authored course guides
- Assignment focused
- Do not represent the range of stuff the library has to offer

Home: HI 251	HI 251 : EARLY AMERICAN HISTORY
Historical Journals	Course Instructor: Stephen Middleton
Documents	Librarian: Cindy Levine
References	This guide is designed to help you find materials for the b
Books and Articles	The new version of the NCSU Libraries Catalog makes it e
Manuscripts	narrow down to different types of materials. For many of
Citing Sources	by entering your topic, then use the refinements on the l
	your results..
	Use the links on the left side of this screen for sugg
	individual questions.
	Copy of Assignment (from Dr. Middleton) follows:
	Projects : No assignment should go beyond the scope of
	Project I. Bibliography: In order to be successful when u
	investigator needs to know where and how to find source
	make students use the library to learn about various hist
	them. For this exercise, students will prepare and type a
	listed below. Each entry should be in standard bibliograph
	should be as follows, <i>Early American History: A Bibliograp</i>
	copying titles from the on-line catalog in the library is oft
	expected to go to the stacks to verify that their sources a
	project will have each of the following entries presented i
	each section in the bibliography requires a one-paragraph
	formatting is attached to this syllabus as a guide for com
	directions will be given in class. On-line sources are in ap

Problem: Limited Reach



Introducing “Course Views”


What is Course Views?

A distillation of the most student-centric stuff the library has to offer.

EAC 580 – Designing Instructional Systems in Training and Development: Library Tools: NCSU Libraries

http://www.lib.ncsu.edu/course/eac/580/

Google



Library Tools BETA

[NCSU Libraries](#) - [Learning Commons](#) - [Hours](#) - [Webmail](#) - [Send Feedback](#)

Switch course:


EAC

580

Go


EAC 580: Designing Instructional Systems in Training and Development

Course Reserves




EAC 580
[Chapman \(601\)](#)
[Chapman \(602\)](#)

Citation Tools




[Citation Builder](#)
[RefWorks](#)
[APA Citation Guide \(Purdue\)](#)
[MLA Citation Guide \(Purdue\)](#)

Project Tools



[Study Room Reservations](#)
[Writing Resources](#)
[Presentation Toolkit](#)
[Paper Writing Toolkit](#)
[Poster Toolkit](#)

Technology Lending



Articles

Catalog

Google Scholar

Quick Article Search

What am I searching?

Education

Search for Articles

Example: "global warming" and legislation

Databases by Subject

Adult & Higher Education

Training & Development


Education

[Browse Databases by Subject](#)


Recommended for EAC courses

Taking A Distance Education Course?

Get books delivered to your home or office and articles sent to you on the Web.




Kim Duckett
Digital Technologies Librarian



Ask Us
Get help 24 hours a day via phone, IM, or email.

Available



Type here to chat.

Course Views

- Web application branded **Library Tools**
- Homegrown, written in PHP
- Product launched August 2008

Goals

Goals

1. A Course View for every course

Goals

1. A Course View for every course
2. A scalable and sustainable system for library course content delivery

Goals

1. A Course View for every course
2. A scalable and sustainable system for library course content delivery
3. Library content customized as much as possible to the course

Demo

Technical Implementation

Request URL

<http://www.lib.ncsu.edu/course/ENG/101>

Request URL

<http://www.lib.ncsu.edu/course/ENG/101>

Request URL

<http://www.lib.ncsu.edu/course/ENG/101>

Course Identifiers

NCSU example: **ENG 101**

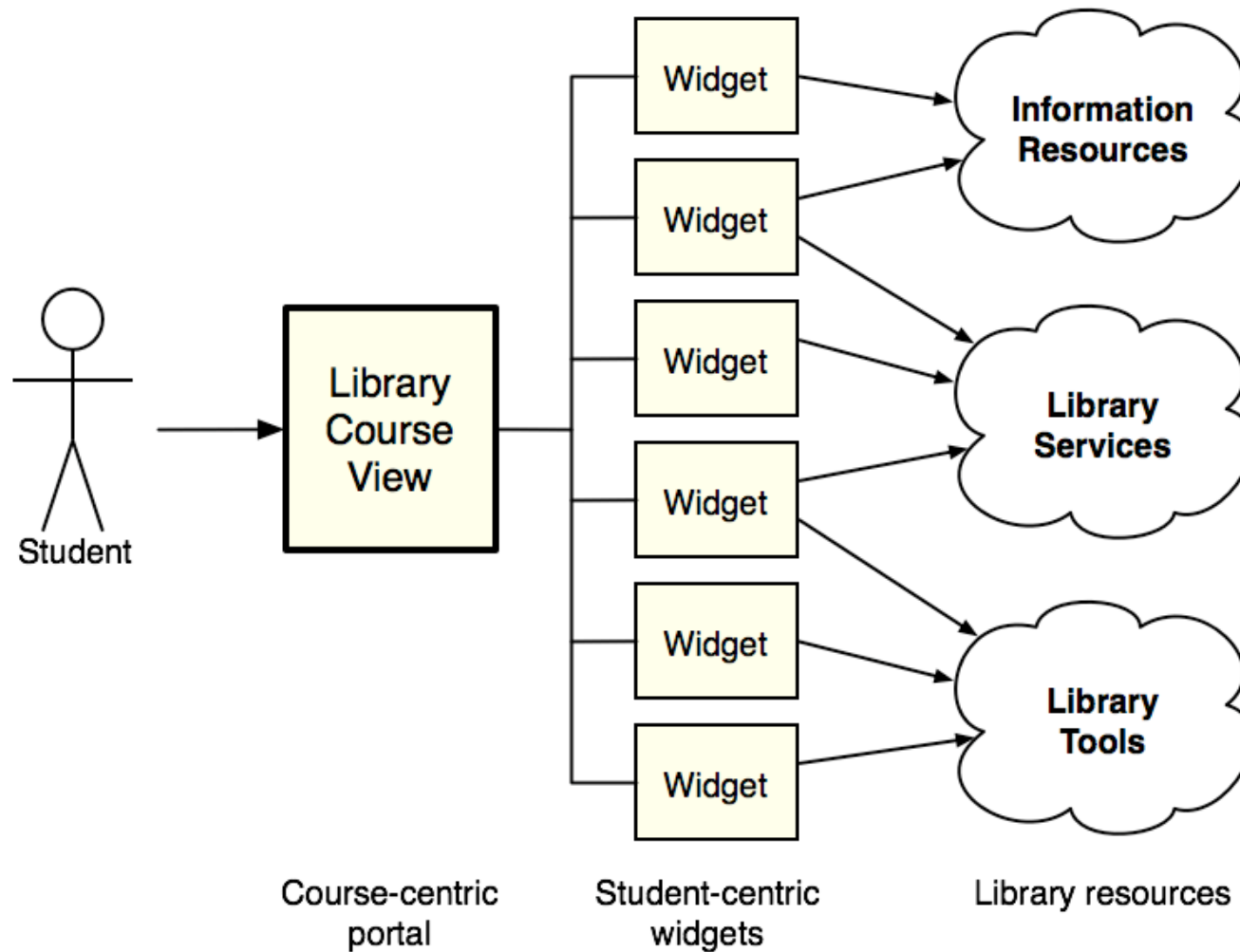
- 'ENG' = curriculum code
- '101' = course number
- 'ENG 101' = full course identifier

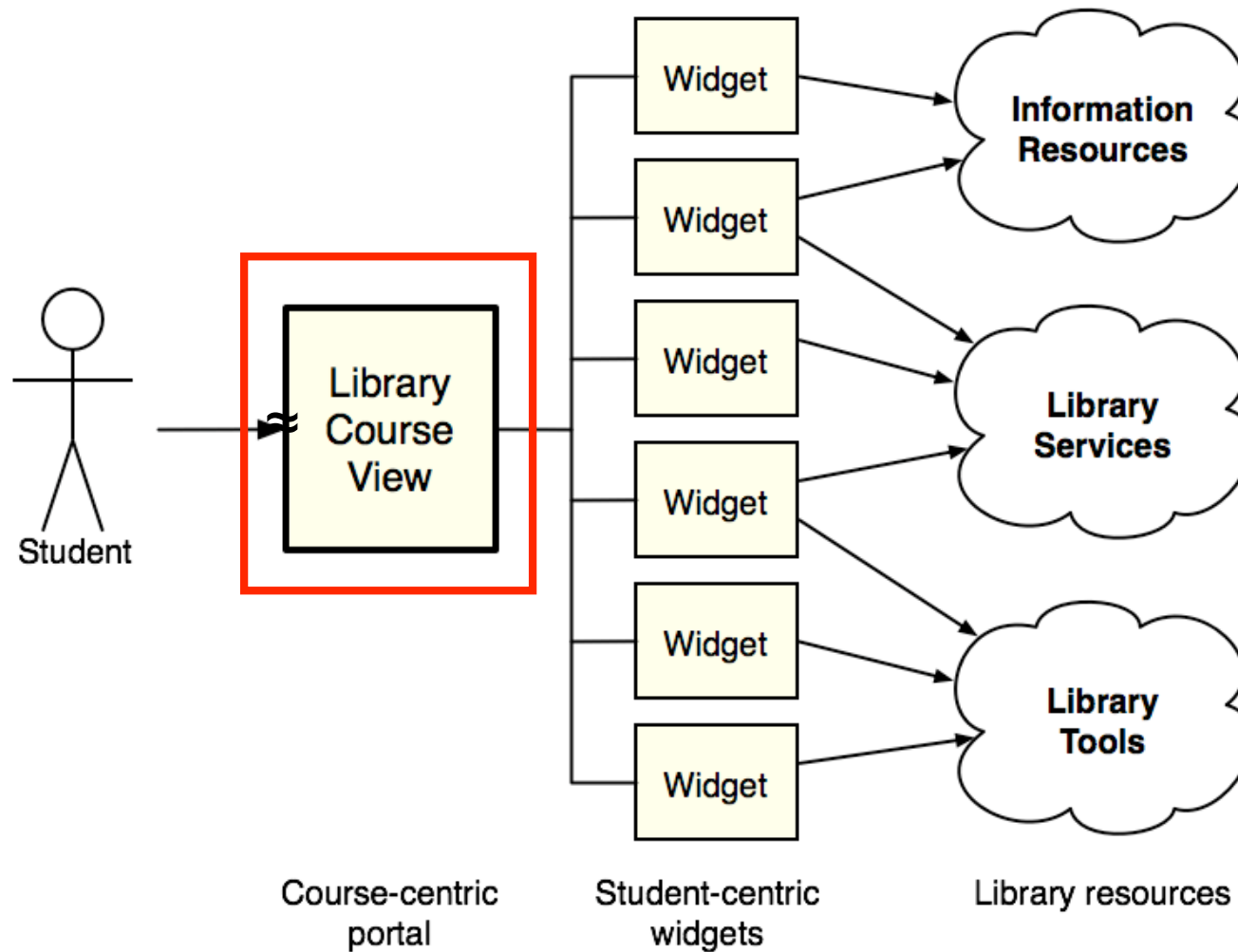
Value of Standard Identifiers

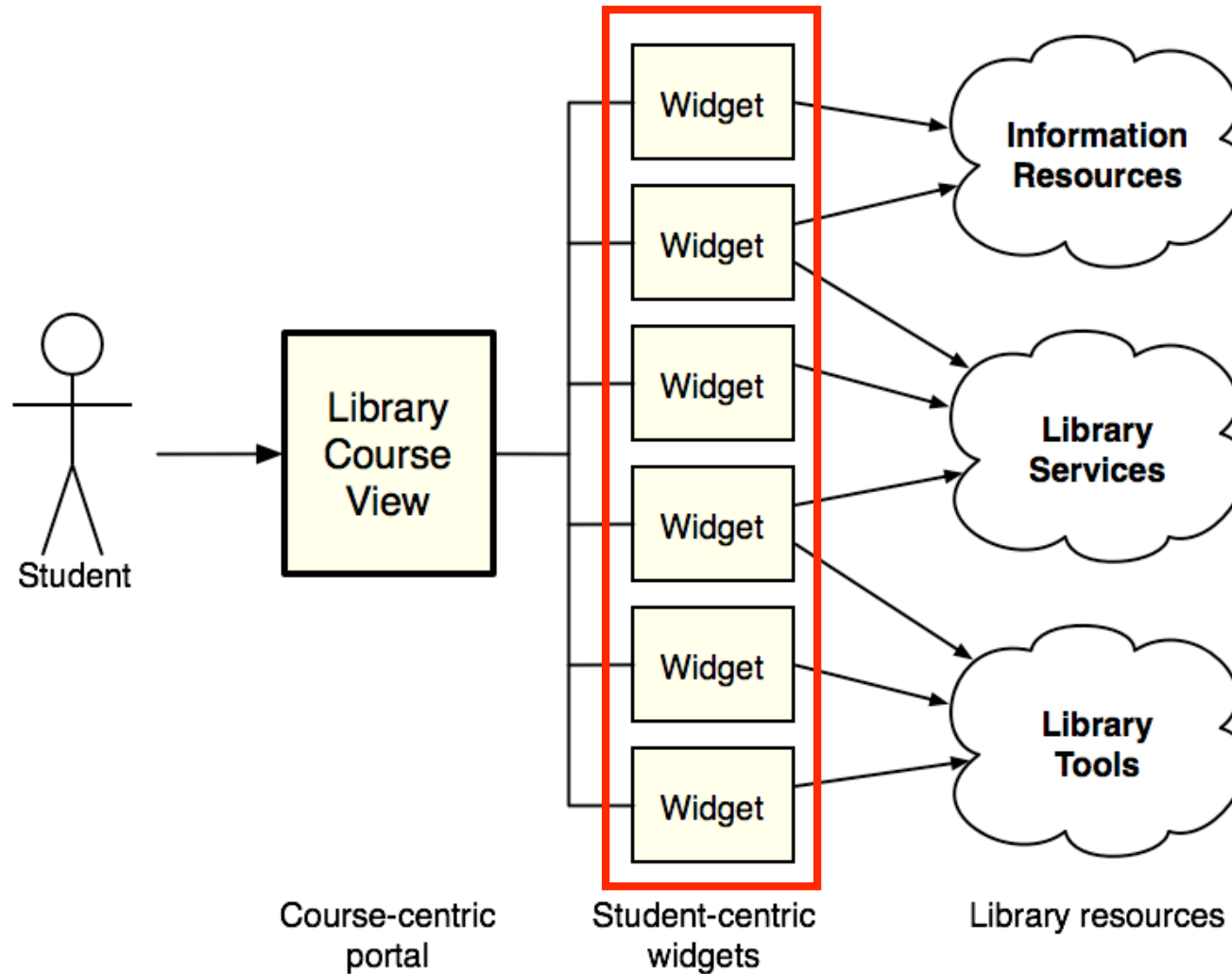
The use of standardized course identifiers
(Ex: *ENG 101*) enabled **simplified
integration** with a variety of external
applications. Helps with collaboration.

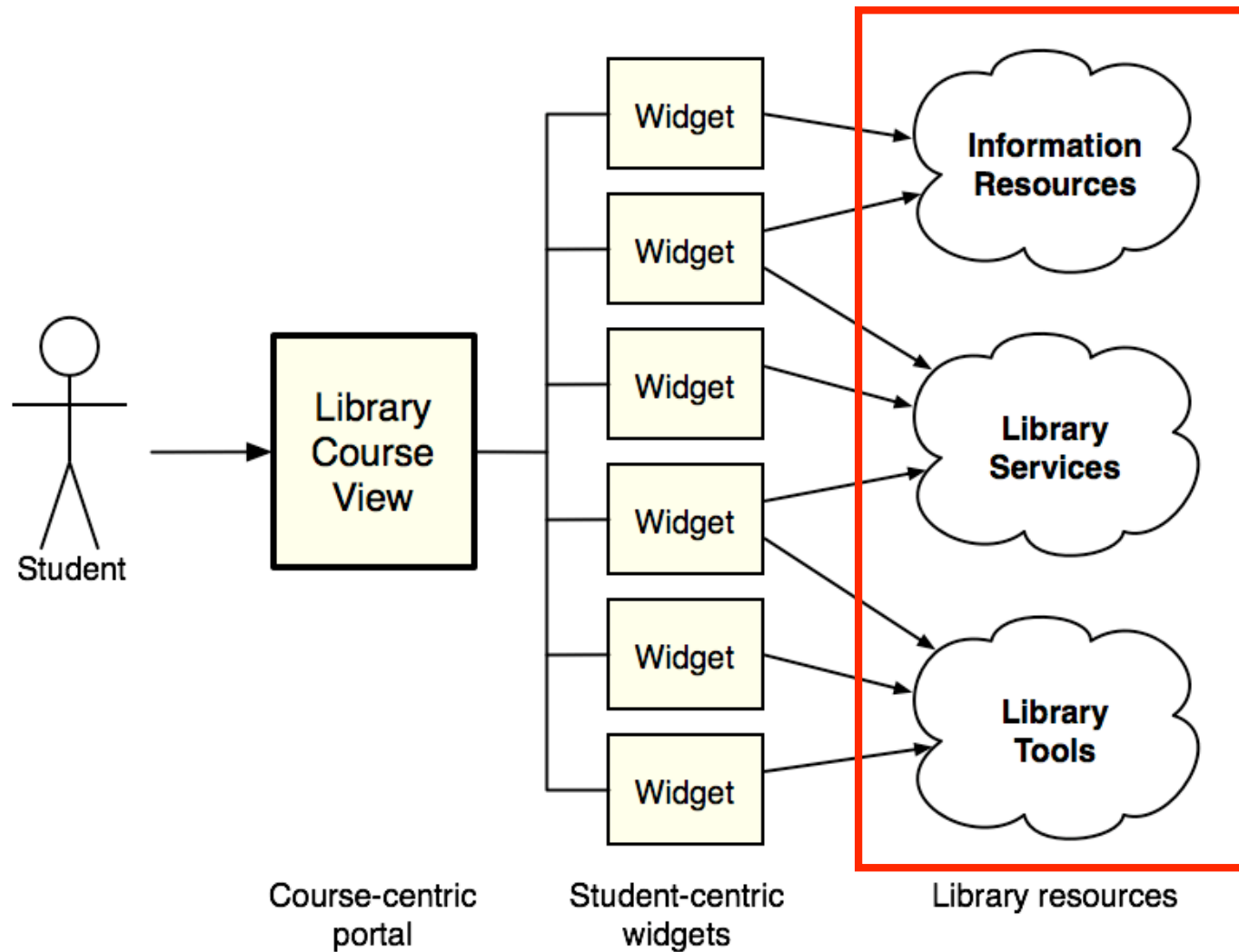
A Course View for Every Course

- No dependency on staff to create pages
- Course Views can generate a course page for any known curricula
- Librarians may further refine the content that appears for a particular course



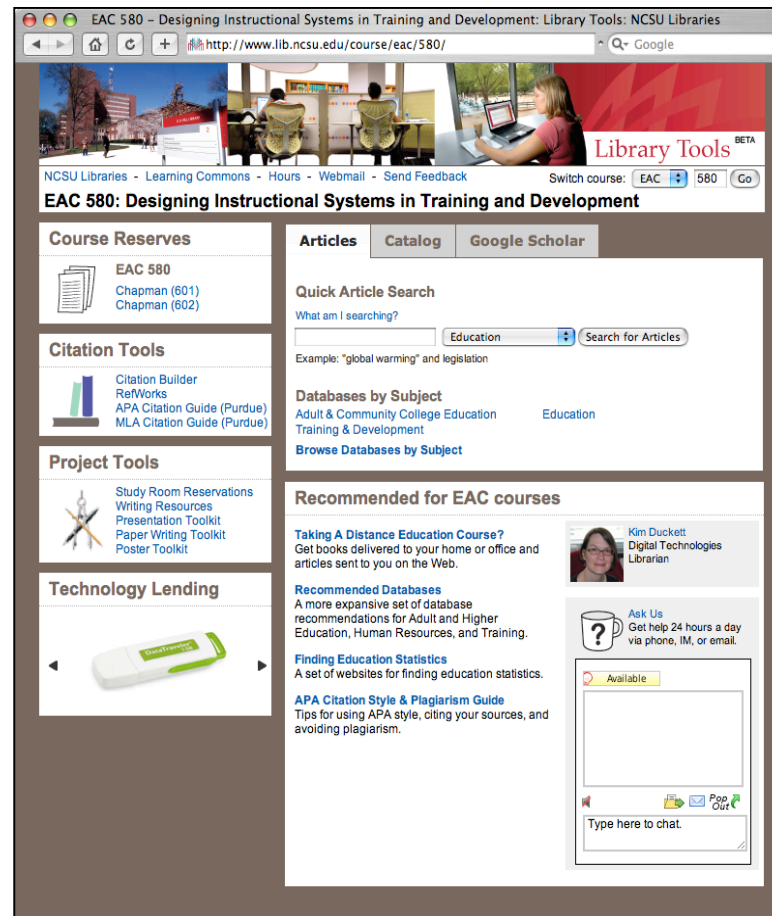






Content Customization

Cascading Selection



Cascading Selection

Purdue)
Purdue)

Adult & Community College Education
Training & Development

Education

Browse Databases by Subject

ations


Recommended for EAC courses

Taking A Distance Education Course?
Get books delivered to your home or office and articles sent to you on the Web.


Recommended Databases
A more expansive set of database recommendations for Adult and Higher Education, Human Resources, and Training.

Finding Education Statistics
A set of websites for finding education statistics.

APA Citation Style & Plagiarism Guide
Tips for using APA style, citing your sources, and avoiding plagiarism.




Kim Duckett
Digital Technologies Librarian



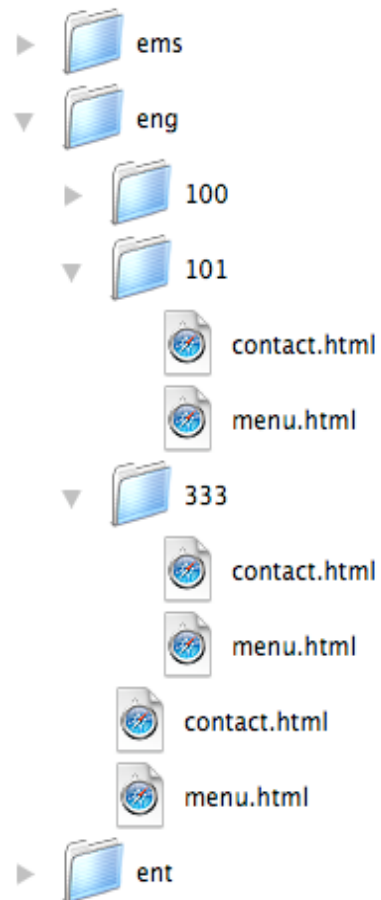
Ask Us
Get help 24 hours a day via phone, IM, or email.

Available

Pop Out

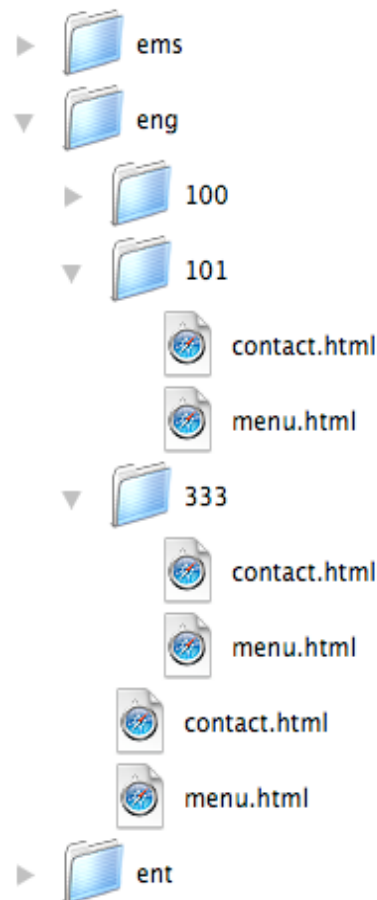
Type here to chat.

Cascading Selection



Cascading Selection

**Course level:
ENG 101**



Kawanna

English 101

Recommended for ENG 101

LOBO: Library Online Basic Orientation

LOBO is designed to be completed in whole or in part with your ENG 101 course. Your course instructor will assign the parts of LOBO that will help you to complete your assignments.

Browse Subjects

For exploring the different resources, including reference resources, journals, and databases available for a particular subject.

Step-By-Step Guide to Getting Journal Articles

Guide to locating journal articles whether you need to explore what is available on a topic or you need to find an article you've found the citation for in a database.

Writing Resources Guide


Includes print and online resources to help you complete different types of writing assignments. Also includes information on documentation/citation and grammar, style and language.







Kawanna Bright
Instruction Librarian



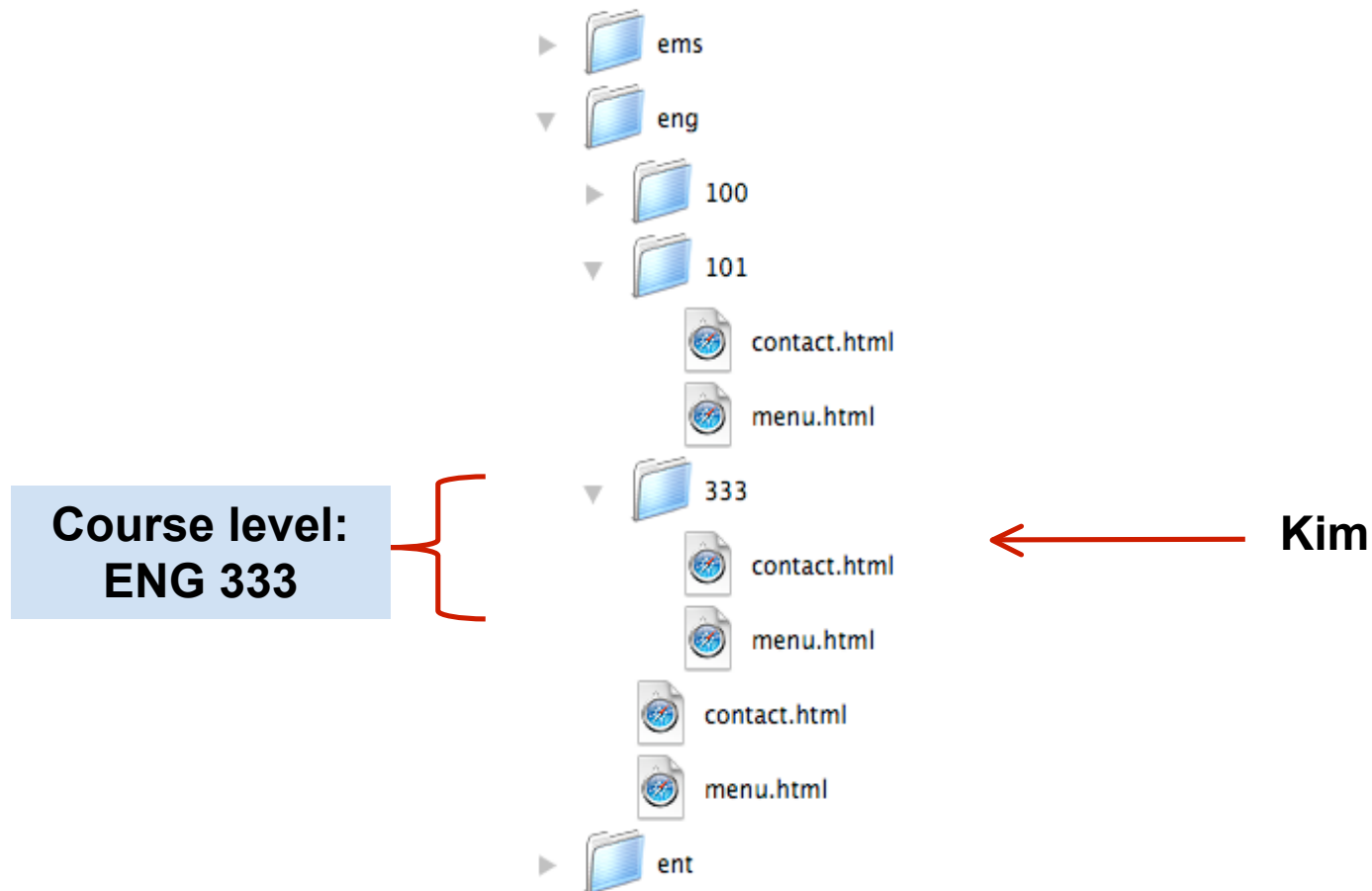
Ask Us
Get help 24 hours a day
via phone, IM, or email.

 Available

    Pop Out

Type here to chat.

Cascading Selection



English 333

Recommended for ENG 333

[What's a Review Article?](#)

A helpful overview from the University of Texas Life Sciences Library.

[Find Article Databases by Subject](#)

Use article databases to find journal articles. Select a database by major subject (i.e. biology, environmental science).

[Step-by-Step Guide to Getting Journal Articles](#)

A basic guide for getting started with finding journal articles.

[PaperWriting Toolkit](#)

Tips for helping you get organized to write your papers.



Kim Duckett
Digital Technologies
Librarian



[Ask Us](#)

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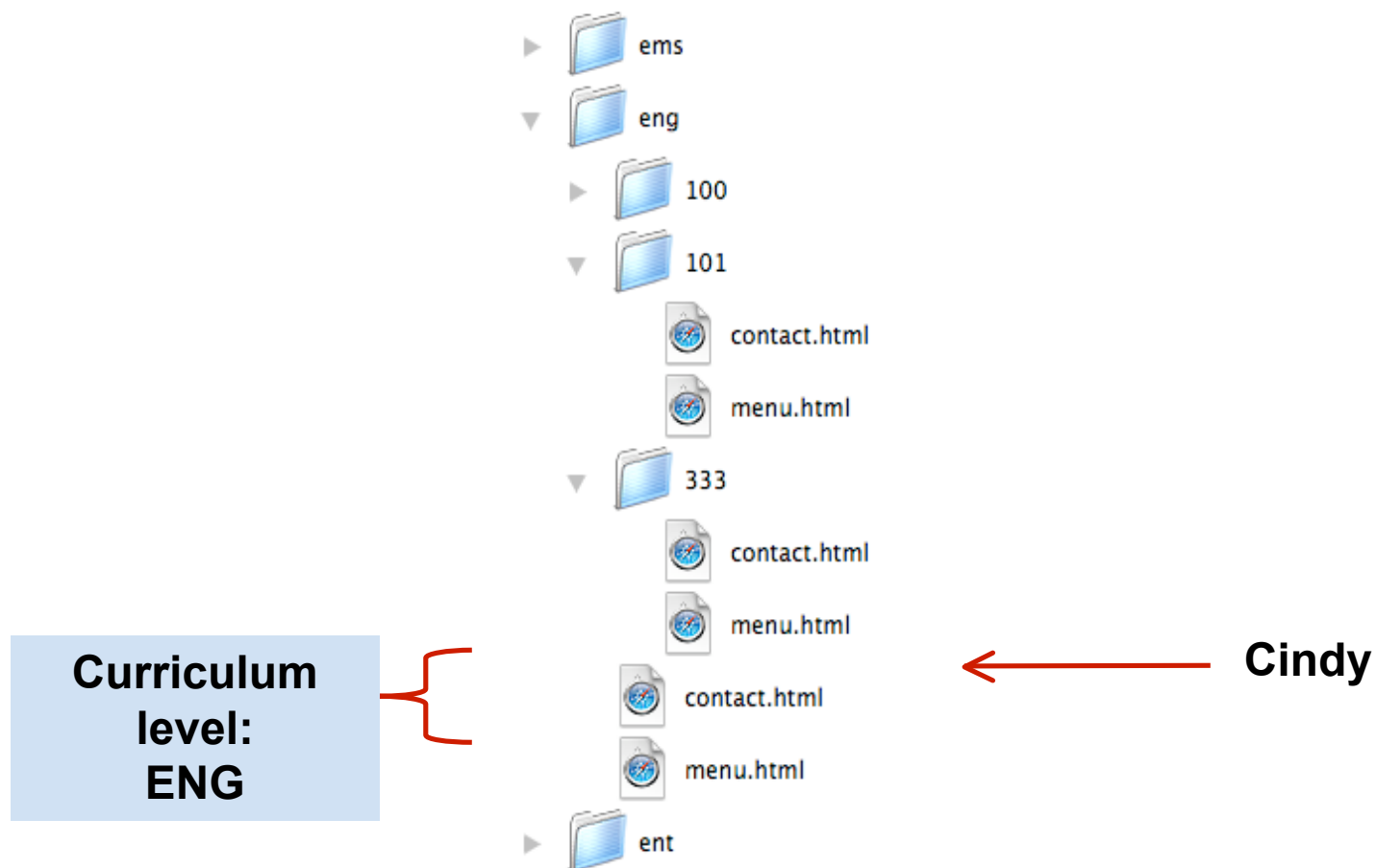
Available



Pop
Out

Type here to chat.

Cascading Selection



English (default)

Recommended for ENG courses

Never Written a Literary Essay Before?

Guides to help you get started.

Find Background Information on Authors

Information about the life of a literary author can provide insight into the writing of the author as well as the author's time period

Find Criticism on Literary Works

Tips for finding criticism written on literature and authors

Find Helpful Reference Materials

Specialized encyclopedias and dictionaries are great resources for overviews of topics and background information

Resources for Writing and Citing

Tools and tips for helping you write your paper




Cindy Levine
Humanities Librarian



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Get help 24 hours a day
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Pop
Out

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Integration

Integration Points

- Blackboard Vista
- Moodle
- WolfWare
- Library Website

Blackboard Vista

The screenshot displays the Blackboard Vista web interface within a browser window. The browser's address bar shows the URL: <https://vistaserver.ncsu.edu/webct/urw/lc2460016.tp0/cobaltMainFrame.dowebct>. The page header includes the NC STATE UNIVERSITY logo and the course identifier **EAC551 - 002 Fall 08**. A navigation bar on the left contains two tabs: **Build** and **Student View**. Under **Student View**, there are two main sections: **Course Tools** and **My Tools**. The **Course Tools** section includes links for Course Content, Discussions, Assessments, Assignments, Announcements, Chat, Who's Online, Search, and Calendar. The **My Tools** section includes links for My Grades, My Files, My Progress, and Notes. The main content area, titled "Your location: Home Page", features a banner for "EAC 551 Introduction to Research in AHE" with a photo of two students. Below the banner, a welcome message states: "Welcome to the Interactive Classroom for EAC 551. Please begin your studies by completing activities described on the 'Getting Started!' link provided below. This will tell you how begin the course on the right track. I look forward to meeting you all and working with you this semester online!". A grid of six links with icons follows: **Getting Started** (Here's where to begin!), **Course Syllabus** (One-stop shop for course information), **Learning Modules 2008** (Learning contents are found here.), **Course Schedule** (What's due when- course topics, readings and deliverables), **Eliminate Me!** (Everything you need to know about scheduling, participating or locating archived sessions is here!), and **Library Tools / E-Reserves** (Recommended for this course.). At the bottom of the grid is a link for **Participant Portfolio Guidelines**. The footer of the page includes the NC STATE UNIVERSITY logo and the text "Vista Support: 515-HELP (help@ncsu.edu)". The browser's search bar at the bottom shows the search term "eac551" and includes buttons for "Next", "Previous", "Highlight all", and "Match case".

Blackboard Vista

The screenshot displays the Blackboard Vista Learning System interface within a web browser. The browser's address bar shows the URL: <https://vistaserver.ncsu.edu/webct/urw/lc2460016.tp0/cobaltMainFrame.dowebct>. The page header includes "NC STATE UNIVERSITY" and "EAC551 - 002 Fall 08". The navigation bar shows "Build" and "Student View" tabs, with "Student View" selected. The left sidebar contains two main sections: "Course Tools" and "My Tools". The "Course Tools" section includes links for Course Content, Discussions, Assessments, Assignments, Announcements, Chat, Who's Online, Search, and Calendar. The "My Tools" section includes links for My Grades, My Files, My Progress, and Notes. The main content area, titled "Your location: Home Page", features a banner for "EAC 551 Introduction to Research in AHE". Below the banner, a welcome message states: "Welcome to the Interactive Classroom for EAC 551. Please begin your studies by completing activities described on the 'Getting Started!' link provided below. This will tell you how begin the course on the right track. I look forward to meeting you all and working with you this semester online!". Several links are provided with icons: "Getting Started" (Here's where to begin!), "Course Syllabus" (One-stop shop for course information), "Learning Modules 2008" (Learning contents are found here.), "Course Schedule" (What's due when- course topics, readings and deliverables), "Eliminate Me!" (Everything you need to know about scheduling, participating or locating archived sessions is here), and "Participant Portfolio Guidelines". A box labeled "Library Tools / E-Reserves" is recommended for this course. The footer includes "NC STATE UNIVERSITY" and "Vista Support: 515-HELP (help@ncsu.edu)". The bottom of the page shows a search bar with "Find: eac551" and buttons for "Next", "Previous", "Highlight all", and "Match case".

Moodle

EAC 580: Designing Instructional Systems in Training & Development

You are logged in as [Kim Duckett \(Logout\)](#)

Moodle Pilot ► EAC 580 (602) Sum1, 2008

Switch role to... Turn editing on

People

Participants

Online Users

(last 5 minutes)

Kim Duckett

Activities

- Assignments
- Chats
- Forums
- Quizzes
- Resources

Library Tools

Library Tools (EAC 580)

- E-Reserves
- Citation Builder
- Article Search
- and more...

Topic outline



Designing Instructional Systems in Training and Development
EAC 580

Welcome to EAC 580! If this is your first time utilizing the Moodle Learning Management System, then a first look at this page may be overwhelming. Basically, if you look at this site, it is divided into three columns. On the left, you can see several "blocks," including a listing of course **Participants**. On the right, you can see additional "blocks," including an area for the **Latest News** and **Upcoming Events**. In the middle column, you'll find the course content. Click on the **Getting Started** link in the **Getting Started/Course Orientation** area (highlighted below) to get started with the course.

Getting Started/Course Orientation (May 19 - 20)

The course orientation is designed to help you become familiar with the course expectations as well as give you an opportunity to familiarize yourself with Moodle, the Learning Management System we will use for our course. Completion of the course orientation activities (updating your profile, posting an introduction, etc.) will

Latest News

[Add a new topic...](#)

29 Mar, 18:41
Donna Petherbridge
Welcome to EAC 580!
[more...](#)
[Older topics ...](#)
[RSS](#)

Upcoming Events

-  [Orientation Assignment](#)
Tuesday, 20 May (11:55 PM)
-  [Orientation Practice Quiz \(Quiz closes\)](#)
Tuesday, 20 May (11:55 PM)
-  [Module 2 Quiz \(Quiz closes\)](#)
Monday, 26 May (11:55 PM)
-  [Module 2 Assignment: Mini-Case Study \(Wilcox\)](#)
Monday, 26 May (11:55 PM)

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- and more...

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NC STATE UNIVERSITY

Designing Instructional Systems in Training and Development

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WolfWare



NC STATE UNIVERSITY

WolfWare

Course Homepage
ENG 101

Student Links: [MyPack Portal](#) | [Policies](#) | [Library Tools](#)

Faculty Links: [WolfWare Toolbox](#) | [Reg & Records](#)

ENG 101

Academic Writing and Research

4(4-0-0) F,S,Sum


Prereq: Grade of C- or better in ENG 100 or placement via English Department guidelines

Intensive instruction in academic writing and research. Basic principles of rhetoric and strategies for academic inquiry and argument. Instruction and practice in critical reading, including the generative and responsible use of print and electronic sources for academic research. Exploration of literate practices across a range of academic domains, laying the foundation for further writing development in college. Continued attention to grammar and conventions of standard written English. Successful completion of ENG 101 requires a grade of C- or better. Credit for ENG 101 is not allowed if the student has already fulfilled the first-year writing requirement.

Current Sections

Course - Section	Instructor	Days	Time	Room	Links
ENG101 - 002	WICKER	MT HF	8:05A-8:55A	125 T	Home Page
ENG101 - 004	MARTIN	MT HF	8:05A-8:55A	128 T	
ENG101 - 007	OSNOE	MT HF	8:05A-8:55A	G121 T	Home Page
ENG101 - 009	WICKER	MT HF	9:10A-10:00A	125 T	Home Page

WolfWare



NC STATE UNIVERSITY
WolfWare

Course Homepage
ENG 101

Student Links: [MyPack Portal](#) | [Policies](#) | [Library Tools](#)
Faculty Links: [WolfWare Toolbox](#) | [Log & Records](#)

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ENG101 - 007	OSNOE	MT HF	8:05A-8:55A	G121 T	Home Page
ENG101 - 009	WICKER	MT HF	9:10A-10:00A	125 T	Home Page

QuickSearch

NCSU LIBRARIES

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

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

QuickSearch:

FAQ | Site Index

Library Web

 [Library Tools for SOC 202](#)
Get E-Reserves, Citation Builder, Article Search, and more for your course.

 Find articles on **soc 202** in:

- General databases: [Quick article search](#)
- Specialty research databases: [Anthropology](#), [Sociology](#), [Social Work](#), [Criminology](#), [More...](#)

[SOC 204: Sociology of Family: Course Page: NCSU Libraries](#)
[SOC 204: Sociology of Family ... Village 2](#) : [CAB Abstracts Home: SOC 204](#)
[Periodical Articles Books Reference ... 1995 - D.H. Hill Reference HA ...](#)
<http://www.lib.ncsu.edu/courses/soc204/statistics.html> - [Cached](#)

Library Catalog

Top titles

- [VLSI circuit design methodology demystified : a conceptual taxonomy](#)
- [A history of progress : selected U.S. papers in geotechnical engi...](#)

[See all 2 titles](#)

More Search Options

QuickSearch

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QuickSearch: [FAQ](#) | [Site Index](#)

Library Web

 [Library Tools for SOC 202](#)
Get E-Reserves, Citation Builder, Article Search, and more for your course

 Find articles on **soc 202** in:

- General databases: [Quick article search](#)
- Specialty research databases: [Anthropology](#), [Sociology](#), [Social Work](#), [Criminology](#), [More...](#)

[SOC 204: Sociology of Family: Course Page: NCSU Libraries](#)
[SOC 204: Sociology of Family ... Village 2](#) : [CAB Abstracts Home: SOC 204](#)
[Periodical Articles Books Reference ... 1995 - D.H. Hill Reference HA ...](#)
<http://www.lib.ncsu.edu/courses/soc204/statistics.html> - [Cached](#)

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Top titles

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- [A history of progress : selected U.S. papers in geotechnical engi...](#)

[See all 2 titles](#)

More Search Options

Library Homepage



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](#) | [Most Used](#)

Search the Collection

- Catalog
- Find Articles
- Journals
- Databases
- Reference Tools
- Special Collections
- NCSU Scholarly Publications
- [more ...](#)



Library Tools
Library Tools (for courses)

- Agriculture
- Design
- Education
- Engineering
- Humanities
- Life Sciences
- Management

- Mathematics
- Natural Resources
- Physical Sciences
- Social Sciences
- Textiles
- Veterinary Science

- Reserves
- Tripsaver
- Borrow | Renew
- Computing
- For Faculty
- Copyright Guidance
- Citation Builder | LOBO
- [more ...](#)



Library Information

- Hours
- Directions
- Library Locations
- Directories
- Visitors
- Jobs
- [more ...](#)



Hunt Library: Tell us what you think

Community

- Learning Commons
- Support the Libraries
- Friends of the Library
- Exhibits
- Calendar
- WolfBlogs | WolfWikis
- [more ...](#)



Bookplate a Gift

News & Events

- Faculty Award Nominations
- The NCSU Libraries Acquires Valuable Collection Documenting the Study of Science Fiction
- New Electronic Resources Librarians
- [more ...](#)



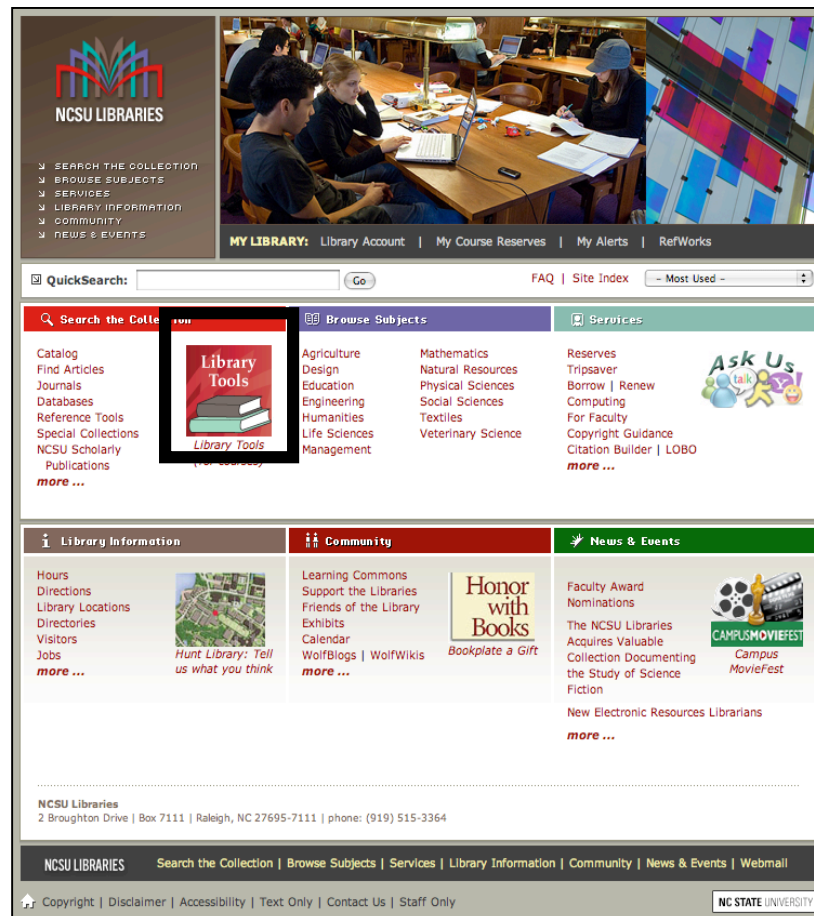
NCSU Libraries
2 Broughton Drive | Box 7111 | Raleigh, NC 27695-7111 | phone: (919) 515-3364

NCSU LIBRARIES [Search the Collection](#) | [Browse Subjects](#) | [Services](#) | [Library Information](#) | [Community](#) | [News & Events](#) | [Webmail](#)

[Copyright](#) | [Disclaimer](#) | [Accessibility](#) | [Text Only](#) | [Contact Us](#) | [Staff Only](#)



Library Homepage



The screenshot displays the NCSU Libraries homepage. At the top left is the NCSU Libraries logo. A navigation menu lists: SEARCH THE COLLECTION, BROWSE SUBJECTS, SERVICES, LIBRARY INFORMATION, COMMUNITY, and NEWS & EVENTS. A large banner image shows students in a library. Below the banner is a 'MY LIBRARY' section with links to Library Account, My Course Reserves, My Alerts, and RefWorks. A 'QuickSearch' bar is present. The main content area is divided into three columns: 'Search the Collection' (with links to Catalog, Find Articles, Journals, Databases, Reference Tools, Special Collections, NCSU Scholarly Publications, and more...), 'Browse Subjects' (with a 'Library Tools' icon and links to Agriculture, Design, Education, Engineering, Humanities, Life Sciences, Management, Mathematics, Natural Resources, Physical Sciences, Social Sciences, Textiles, and Veterinary Science), and 'Services' (with links to Reserves, Tripsaver, Borrow | Renew, Computing, For Faculty, Copyright Guidance, Citation Builder | LOBO, and more...). Below this is a 'Library Information' section with links to Hours, Directions, Library Locations, Directories, Visitors, Jobs, and more...; a 'Community' section with links to Learning Commons, Support the Libraries, Friends of the Library, Exhibits, Calendar, WolfBlogs | WolfWikis, and more...; and a 'News & Events' section with links to Faculty Award Nominations, The NCSU Libraries Acquires Valuable Collection Documenting the Study of Science Fiction, New Electronic Resources Librarians, and more... The footer contains contact information for NCSU Libraries, 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

QuickSearch: Go [FAQ](#) | [Site Index](#) | [Most Used](#)

Search the Collection

- Catalog
- Find Articles
- Journals
- Databases
- Reference Tools
- Special Collections
- NCSU Scholarly Publications
- [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
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- For Faculty
- Copyright Guidance
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- [more ...](#)

Library Information

- Hours
- Directions
- Library Locations
- Directories
- Visitors
- Jobs
- [more ...](#)

Community

- Learning Commons
- Support the Libraries
- Friends of the Library
- Exhibits
- Calendar
- WolfBlogs | WolfWikis
- [more ...](#)

News & Events

- Faculty Award Nominations
- The NCSU Libraries Acquires Valuable Collection Documenting the Study of Science Fiction
- New Electronic Resources Librarians
- [more ...](#)

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

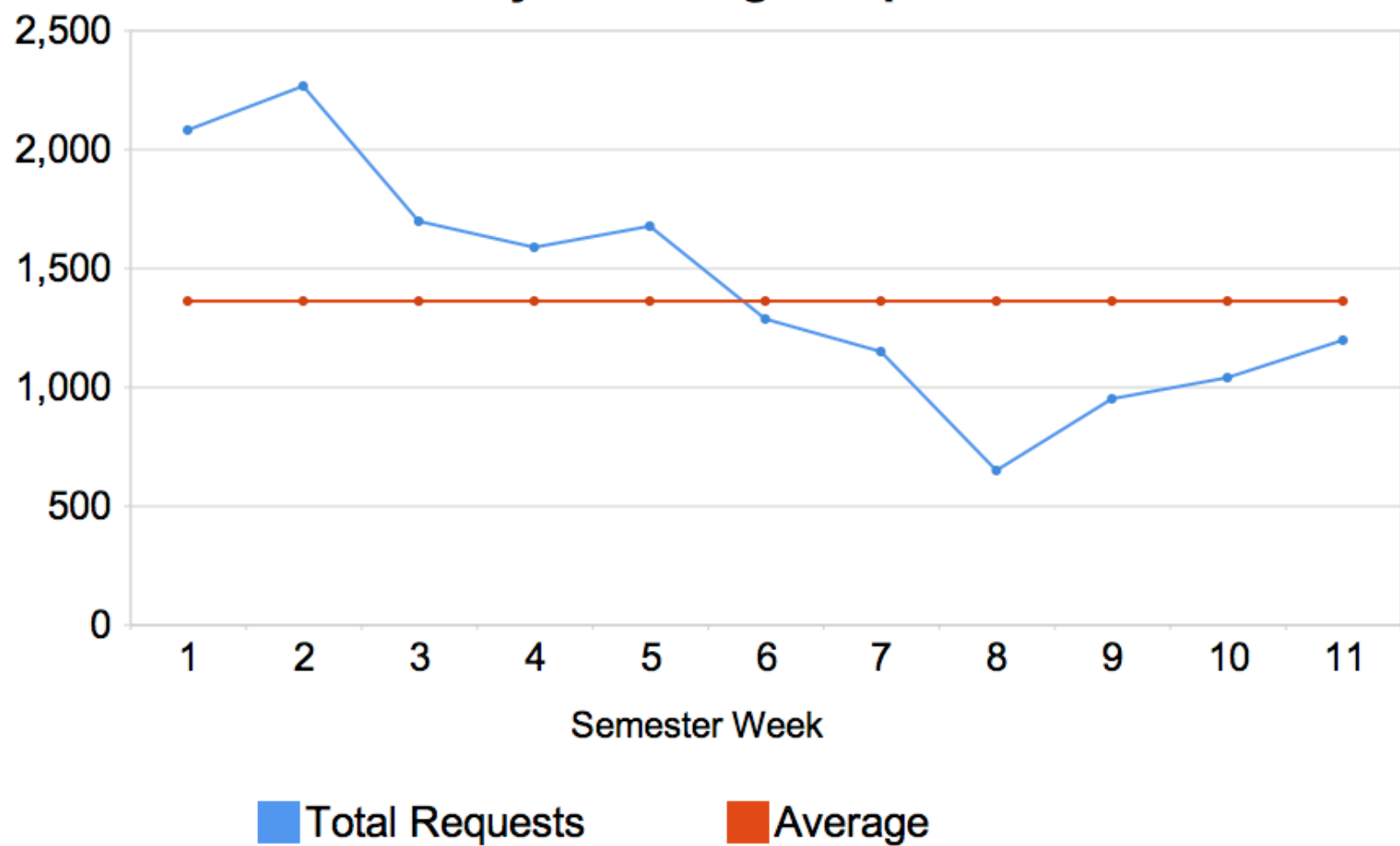
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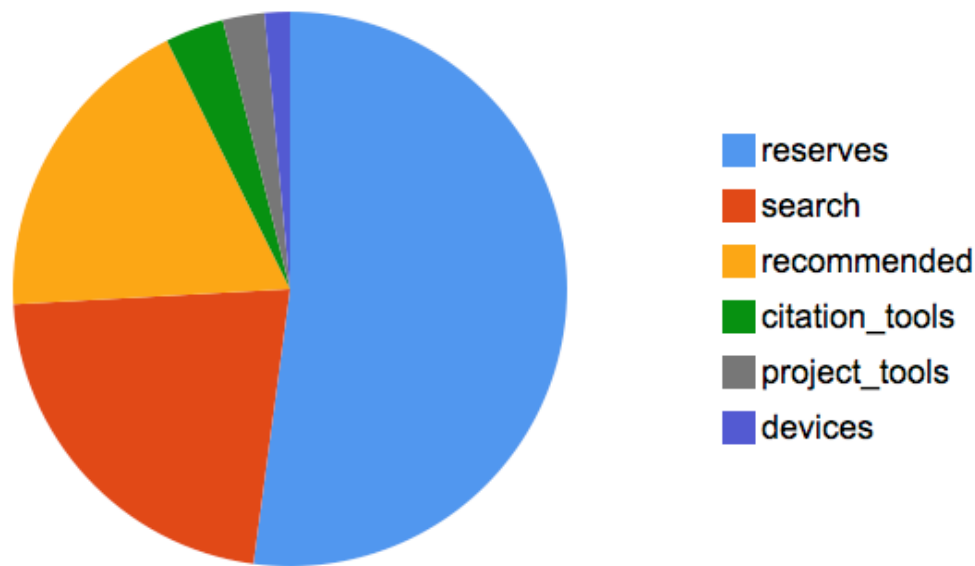
NC STATE UNIVERSITY

Usage

Library Tools Page Requests

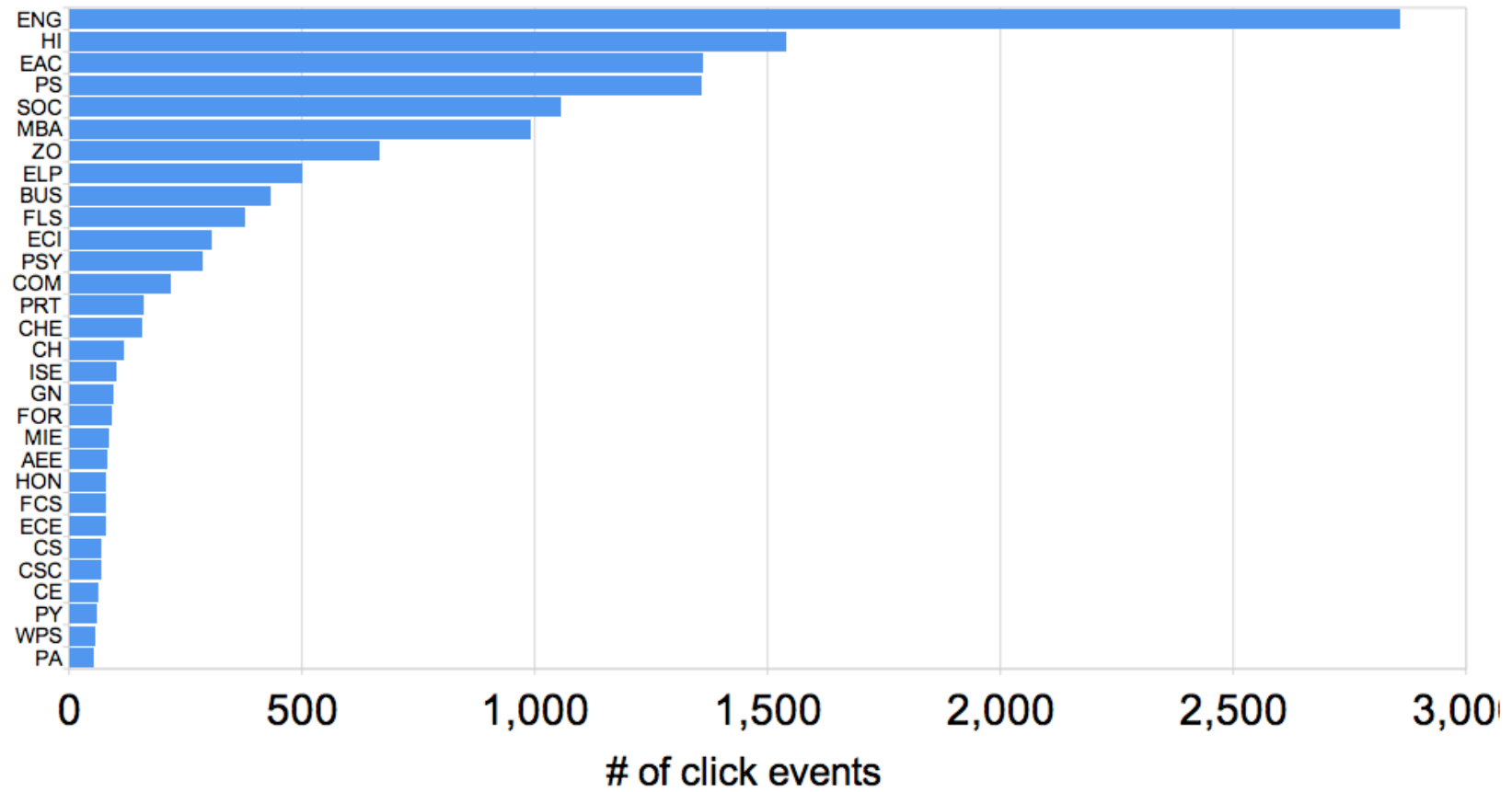


Library Tools Widget Click Share

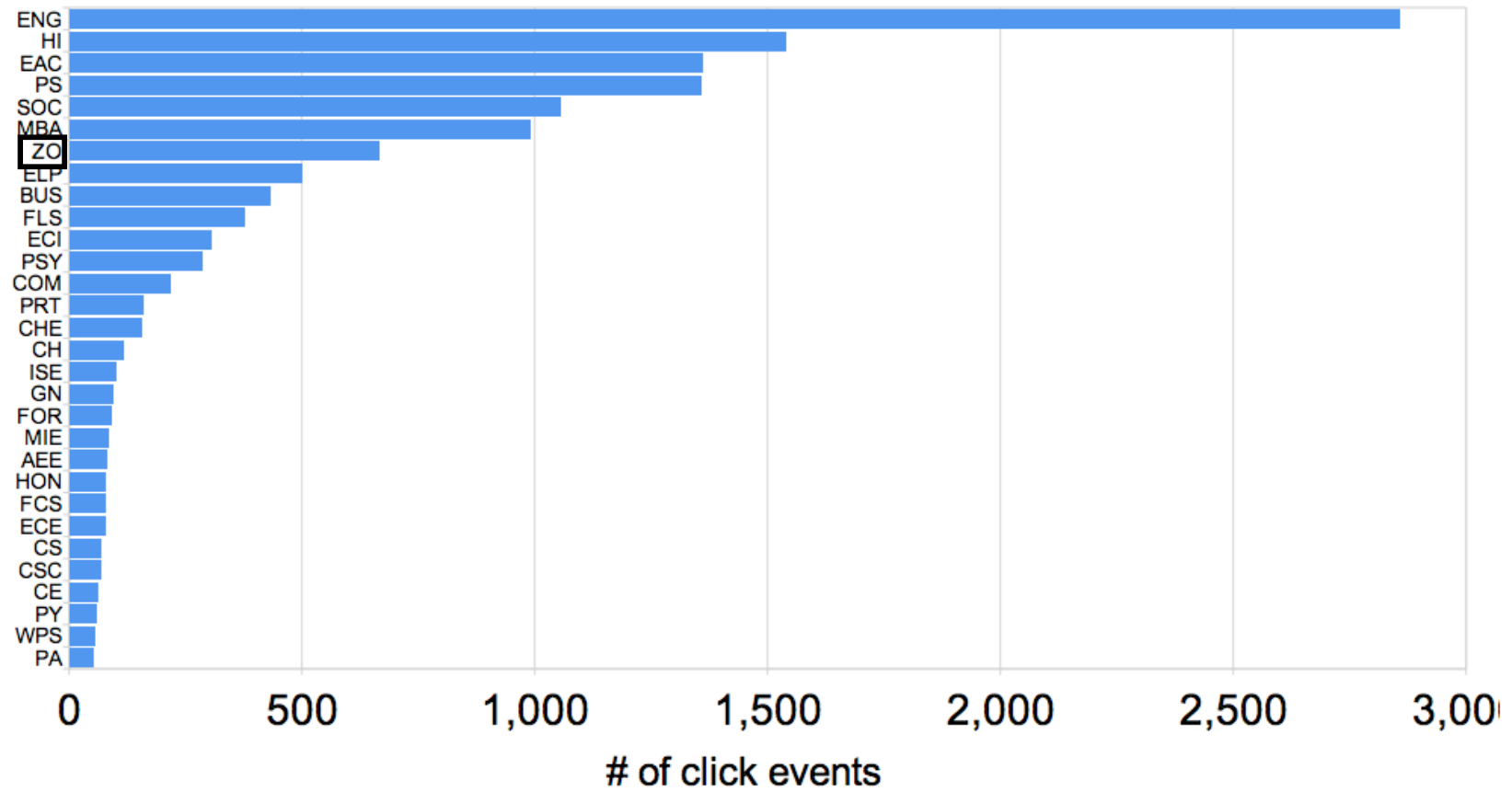


Widget category	Count	Percentage
reserves	7558	52.1%
search	3192	22%
recommended	2690	18.5%
citation_tools	495	3.4%
project_tools	353	2.4%
devices	215	1.5%
Total	14503	100

Usage by Curriculum



Usage by Curriculum



Lessons Learned

Collaboration is Key

- Subject specialist librarians (!)
- Campus partners
- Students
- Faculty

Disciplinary Differences

So far we have observed much more usage in humanities and social science disciplines, and less from science and engineering.

Focus Group Feedback

Make it simpler, but with more
information.

Thanks!

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More Information

Library Tools:

<http://www.lib.ncsu.edu/course>

Course Views Project:

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