

EVERY STUDENT IS AN ONLINE STUDENT

(Why you have to be a designer, at least a little bit)

Jason Puckett
Online Learning Librarian/Assistant Professor
Georgia State University
Atlanta Area Bibliographic Instruction Group
Mercer University Atlanta
June 8 2018

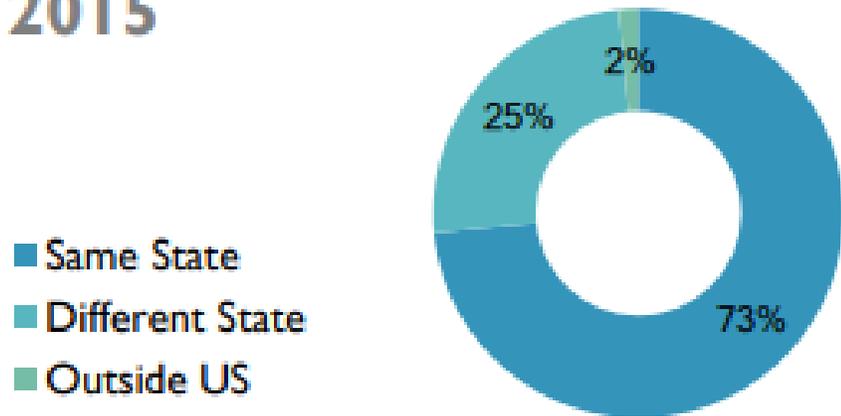


GEORGIA: HIGHER ED INSTITUTIONS

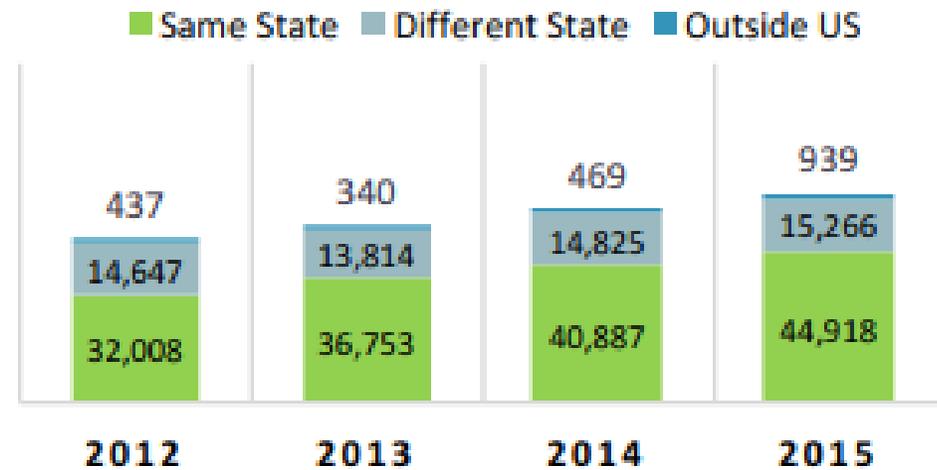
Total enrollment: 531,578
Any distance: 151,450

Exclusively Distance Student Locations

2015

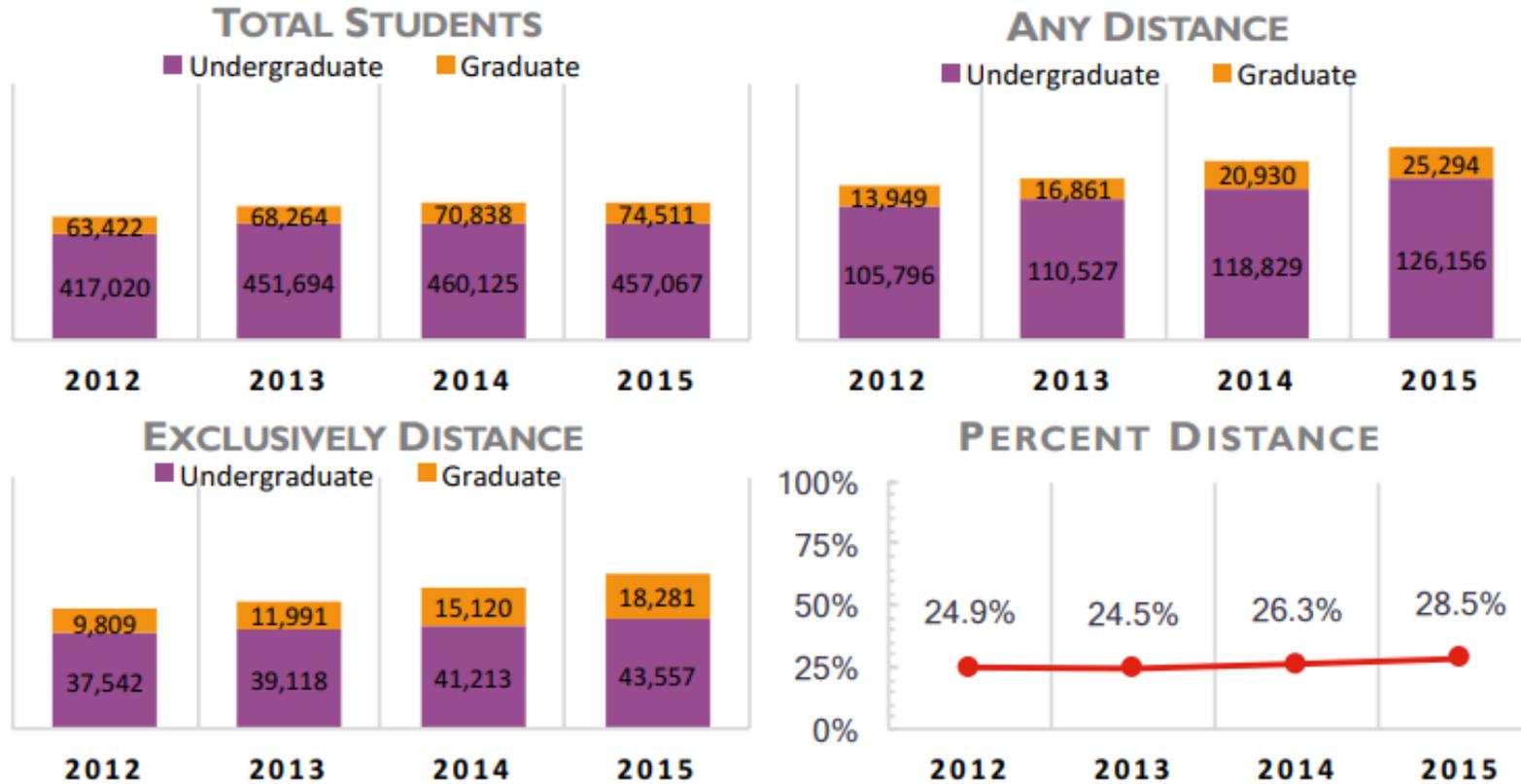


- Same State
- Different State
- Outside US



ONLINE AND HYBRID STUDENTS INCREASING

Enrollment Trends



USABILITY & ACCESSIBILITY

Usability:

- improving the experience of interacting with an online learning object

Accessibility:

- improving the design of online learning objects for people with disabilities

USABILITY: USER EXPERIENCE (UX) DESIGN



CHARACTERISTICS OF GOOD USABILITY/UX

Conciseness

Clarity

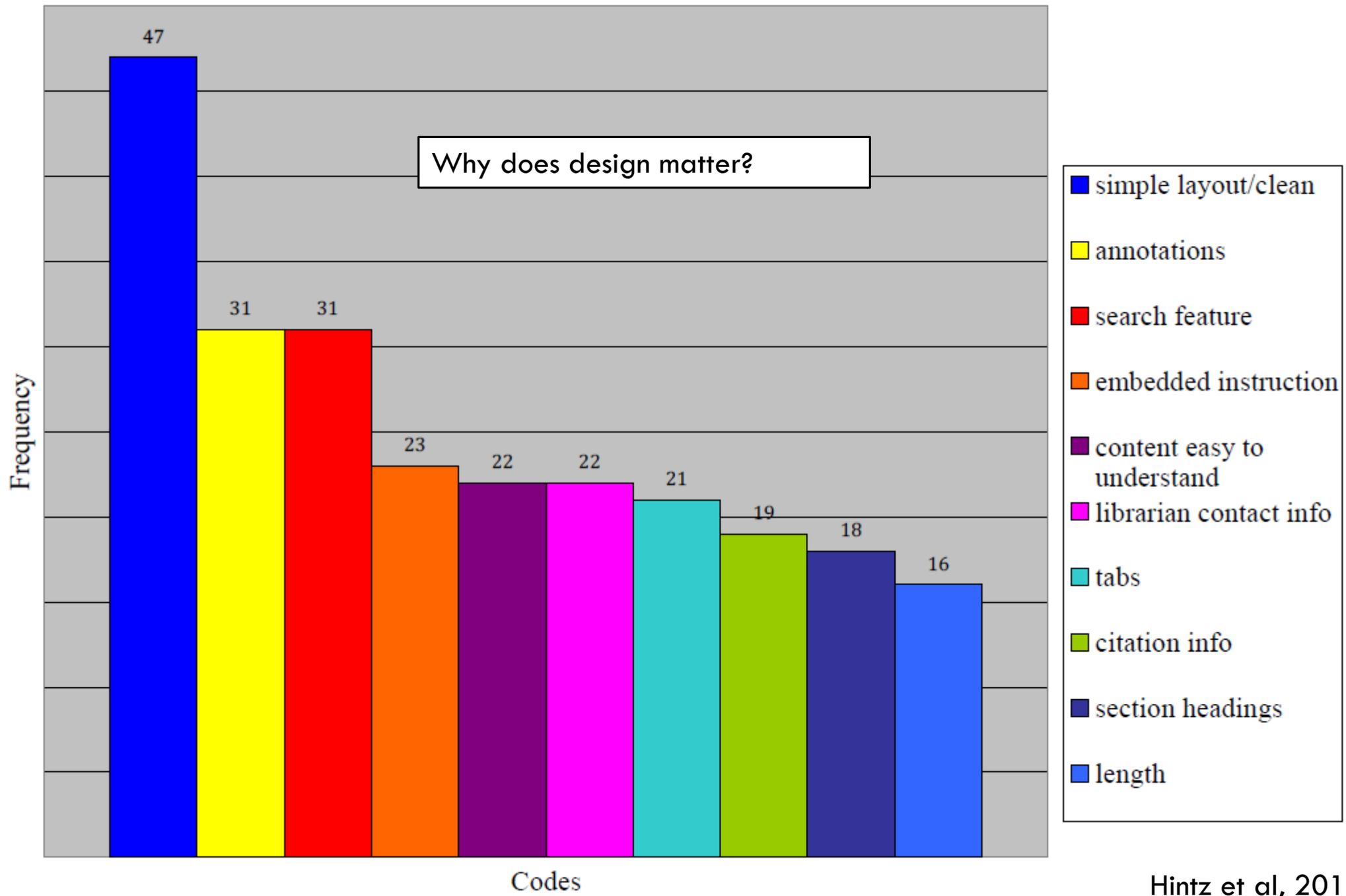
Familiarity

Attractiveness

Efficiency

These are definable and assessable

These have an effect on learning objects



8. ATF4-dependent induction of heme oxygenase 1 prevents anoikis and promotes **metastasis**.



Academic
Journal

(English) ; Abstract available. By: Dey S; Sayers CM; Verginadis II; Lehman SL; Cheng Y; Cerniglia GJ; Tuttle SW; Feldman MD; Zhang PJ; Fuchs SY; Diehl JA; Koumenis C, The Journal Of Clinical Investigation [J Clin Invest] 2015 Jul 1; Vol. 125 (7), pp. 2592-608; Publisher: American Society for Clinical Investigation; PMID: 26011642, Database: MEDLINE with Full Text

Subjects: Activating Transcription Factor 4 metabolism; Anoikis physiology; Heme Oxygenase-1 biosynthesis; **Neoplasm Metastasis** physiopathology; Female

Show all 8 images



[PDF Full Text](#) (11.2MB)

9. Port-site **metastasis** as a primary complication following retroperitoneal laparoscopic radical resection of renal pelvis carcinoma or nephron-sparing surgery: A report of three cases and review of the literature.



Academic
Journal

By: NING WANG; KAI WANG; DACHUAN ZHONG; XIA LIU; JI SUN; LIANXIANG LIN; LINNA GE; BO YANG. *Oncology Letters*. Jun2016, Vol. 11 Issue 6, p3933-3938. 6p. DOI: 10.3892/ol.2016.4541.

Subjects: **METASTASIS**; CARCINOMA; DIAGNOSIS; KIDNEY pelvis; DISEASES; NEPHRONS; SURGERY; RISK factors; TREATMENT

[PDF Full Text](#) (1.8MB)

10. Prognostic model for distant **metastasis** in locally advanced nasopharyngeal carcinoma after concurrent chemoradiotherapy.



Academic
Journal

(English) ; Abstract available. By: Chen C; Chen S; Le QT; Chen J; Chen Z; Li D; Zhou M; Li D, *Head & Neck [Head Neck]*, ISSN: 1097-0347, 2015 Feb; Vol. 37 (2), pp. 209-14; Publisher: John Wiley And Sons; PMID: 2437 MEDLINE with Full Text

Subjects: Carcinoma pathology; Carcinoma therapy; Models, Statistical; Nasopharyngeal Neoplasms pathology; Nasopharyngeal Neoplasms therapy; **Neoplasm Metastasis**; Middle Aged: 45-64 years; All Adult: 19+ years

[PDF Full Text](#) (175.4KB)

11. The combination of weekly trastuzumab plus vinorelbine may be preferable regimen in HER-2 positive breast cancer patients with brain **metastasis**.



Academic
Journal

(includes abstract) Mutlu, Hasan; Büyükçelik, Abdullah; *Journal of Oncology Pharmacy Practice*, Aug2015; 21(4): 310-312. 3p. (Article - case study) ISSN: 1078-1552, Database: CINAHL Plus with Full Text

Subjects: Breast Neoplasms Drug Therapy; **Neoplasm Metastasis**; Trastuzumab; Treatment Outcomes; Adult: 19-44 years; Middle Aged: 45-64 years; Female

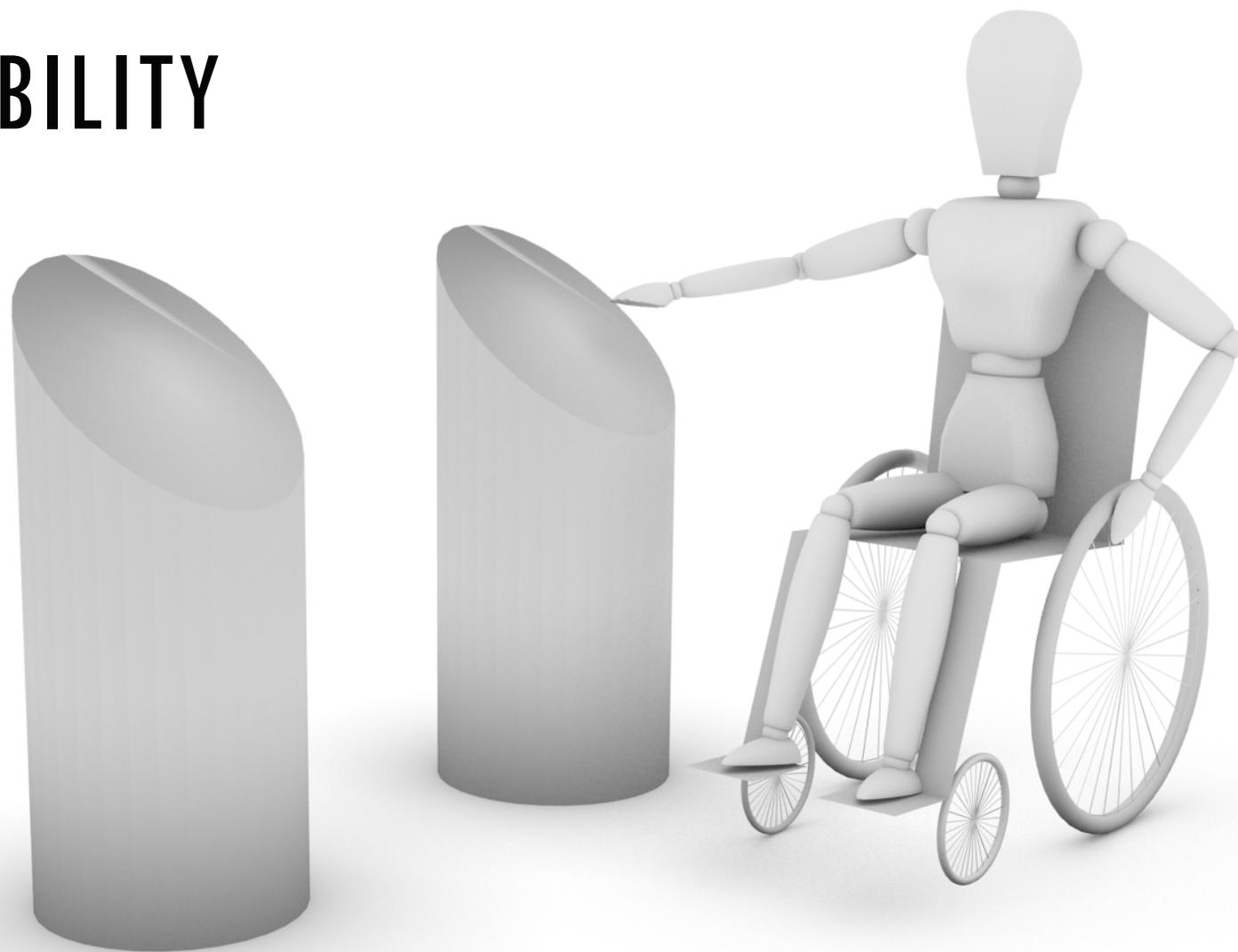
[PDF Full Text](#)

12. MicroRNAs used as novel biomarkers for detecting cancer **metastasis**.



(English) ; Abstract available. By: Han C; Yu H; Zhang L; Li X; Feng Y; Xin H, *Tumour Biology: The Journal Of The International Society For Oncodevelopmental Biology And Medicine [Tumour Biol]*, ISSN: 1423-0380, 2015; 1755-62; Publisher: Springer Netherlands; PMID: 25266144, Database: MEDLINE with Full Text

ACCESSIBILITY



USABILITY & ACCESSIBILITY ARE RELATED

“There is considerable overlap between [accessibility guidelines] and usability recommendations ... for nondisabled users”

“Non-disabled users and users with visual impairments profited from higher accessibility to the same extent. ...The needs of the two user groups are more similar than previously thought”

Improved compliance with accessibility guidelines “resulted in a decrease of the average task completion time of 43 seconds (22.7%)”

Schmutz, Sonderegger, & Sauer, 2017

UNIVERSAL DESIGN/UDL

Universal Design

Not just online/teaching

Design for flexibility

Simple and intuitive use

Low physical effort

universaldesign.ie

Universal Design for Learning (UDL)

Teaching & learning -- especially relevant to online

Design for flexibility in how students need to use it

Ease of use by students with or without disabilities

Lower barriers to entry and understanding

udlguidelines.cast.org

Provide multiple means of
Engagement



Affective Networks
The "WHY" of Learning

Provide multiple means of
Representation



Recognition Networks
The "WHAT" of Learning

Provide multiple means of
Action & Expression



Strategic Networks
The "HOW" of Learning

Access

Provide options for
Recruiting Interest

- Optimize individual choice and autonomy
- Optimize relevance, value, and authenticity
- Minimize threats and distractions

Provide options for
Perception

- Offer ways of customizing the display of information
- Offer alternatives for auditory information
- Offer alternatives for visual information

Provide options for
Physical Action

- Vary the methods for response and navigation
- Optimize access to tools and assistive technologies

Build

Provide options for
Sustaining Effort & Persistence

- Heighten salience of goals and objectives
- Vary demands and resources to optimize challenge
- Foster collaboration and community
- Increase mastery-oriented feedback

Provide options for
Language & Symbols

- Clarify vocabulary and symbols
- Clarify syntax and structure
- Support decoding of text, mathematical notation, and symbols
- Promote understanding across languages
- Illustrate through multiple media

Provide options for
Expression & Communication

- Use multiple media for communication
- Use multiple tools for construction and composition
- Build fluencies with graduated levels of support for practice and performance

Internalize

Provide options for
Self Regulation

- Promote expectations and beliefs that optimize motivation
- Facilitate personal coping skills and strategies
- Develop self-assessment and reflection

Provide options for
Comprehension

- Activate or supply background knowledge
- Highlight patterns, critical features, big ideas, and relationships
- Guide information processing and visualization
- Maximize transfer and generalization

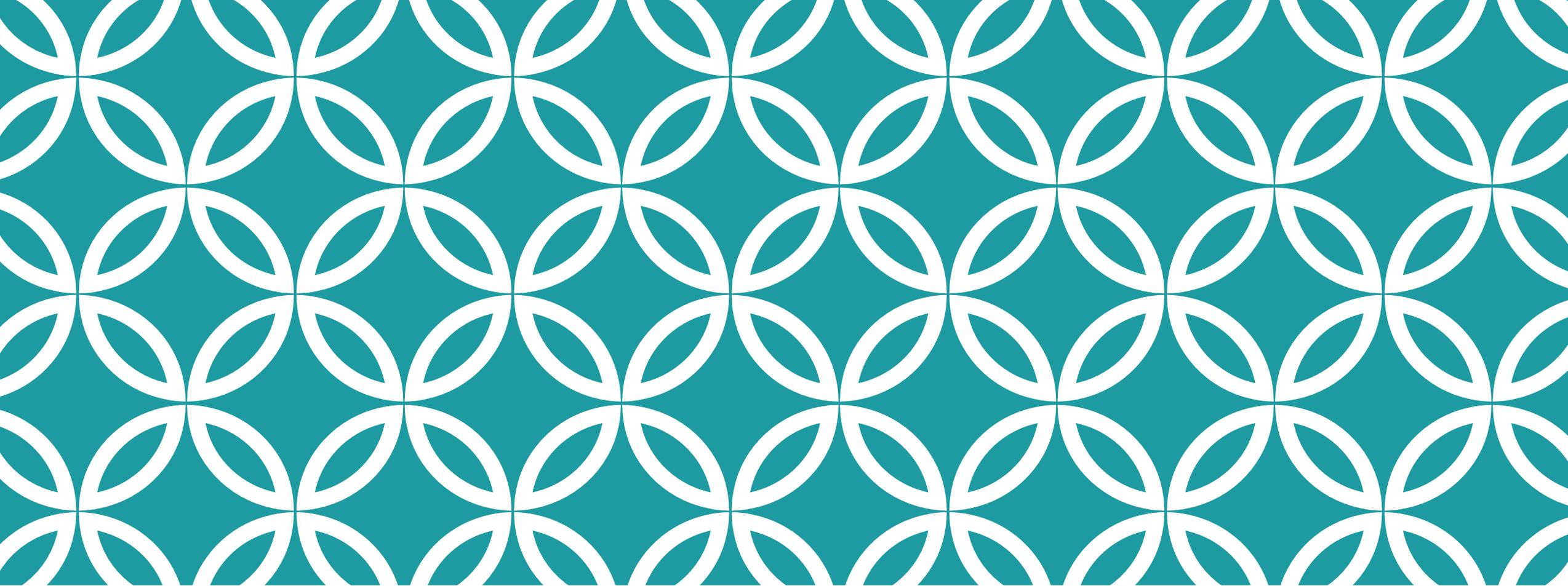
Provide options for
Executive Functions

- Guide appropriate goal-setting
- Support planning and strategy development
- Facilitate managing information and resources
- Enhance capacity for monitoring progress

Goal

Expert learners who are...

Purposeful & Motivated **Resourceful & Knowledgeable** **Strategic & Goal-Directed**



HOW DO WE DO THIS?

tools & recommendations

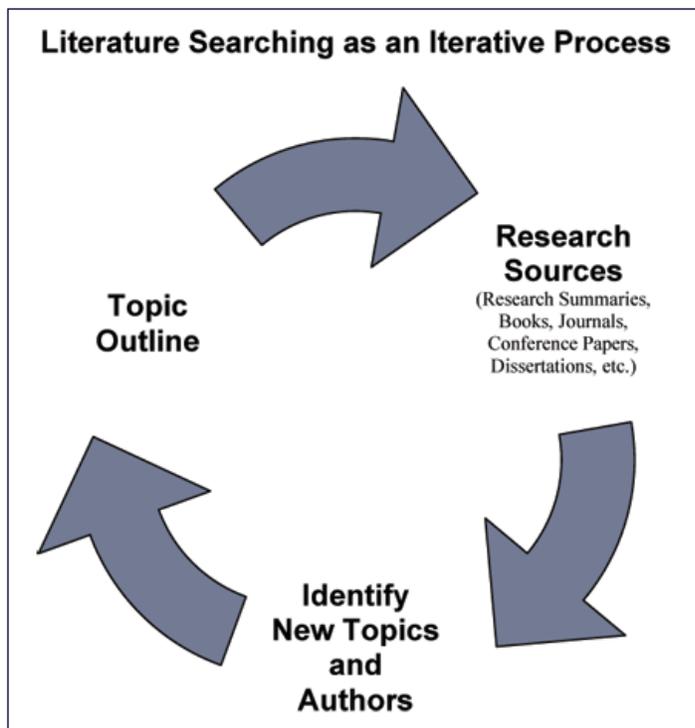


Are We There Yet?

The Literature Search as a Non-Linear Process

Before we leave the topic of the literature search, let's address one additional point. A thorough search of the literature requires a systematic approach, but it is not a linear process. Rather, it is an iterative one. As you examine the literature, you will find yourself following new leads from the reference lists, keywords, and authors you locate. These in turn may lead to other important tributaries branching off the main stream of your research topic. You may even find yourself reshaping the scope of your inquiry as you discover new approaches and avenues of research.²

The process might look something like this:



At some point in time, you may despair that you will ever master the field of research or be able to make sense of it. Don't worry—this is normal, especially if you are relatively new to your field! Remember: it takes time to become fully conversant with the literature.

- Introduction
- Module 1**
Overview of Scholarly Journal Publishing
- Module 2**
Laying the Groundwork: Ideas, Journal Research & Queries
- Module 3**
Deadlines & Details - Manuscript Prep & Submission
- Module 4**
From Good to Great - The Editorial Process
- Module 5**
Making it Yours - Customizing Your Publishing Plan



How to install Zotero



The screenshot shows the Zotero website's download page. On the left, there is a section for "Zotero 5.0 for Windows" with a "Download" button and links for other platforms like macOS and Linux. On the right, there is a section for "Zotero Connector" with a red box around it, containing a Chrome logo, a plus sign, and the Zotero logo, along with an "Install Chrome Connector" button. Below the connector section, there is a "Plugins" section with a sub-header "Install one of the many third-party plugins and become even more productive".

application and the browser connector so Tara won't work without both pieces



0:14 / 1:20



Plugins

Install one of the many third-party plugins and become even more productive



0:15

0:16

0:17

0:18

0:19

0:20

0:21

0:22

0:23

0:24

0:25

connector so
pieces

installed the sites showing me the
Windows version if you're on a Mac it

will give you that version just
click
the download button then

installation file t
computer and
install it just like



8. ATF4-dependent induction of heme oxygenase 1 prevents anoikis and promotes **metastasis**.



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(English) ; Abstract available. By: Dey S; Sayers CM; Verginadis II; Lehman SL; Cheng Y; Cerniglia GJ; Tuttle SW; Feldman MD; Zhang PJ; Fuchs SY; Diehl JA; Koumenis C, The Journal Of Clinical Investigation [J Clin Invest] 2015 Jul 1; Vol. 125 (7), pp. 2592-608; Publisher: American Society for Clinical Investigation; PMID: 26011642, Database: MEDLINE with Full Text

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SPCH 4800 Communication and Diversity: Assignment part 2: Literature Review

Assignment part 2:
Literature Review

Assignment part 3:
Media Representations

Literature

- Using language students recognize from their assignment
- Defining unfamiliar terms
- Task-based lists
- As concise and clear as I can make it

WHAT'S A LITERATURE REVIEW?

It's an overview and analysis of what other scholars have written on your topic. [See page three of this guide for a lot more info](#) if you're not sure how to get started.

USING FIND IT @GSU



Many databases give you **only a citation** telling you where to find the article, not the article itself.

Click the Find It @GSU button to open a window with links to the article you need.

If that fails, try searching for the **journal title** in [GIL-Find](#), or use [Interlibrary Loan \(ILL\)](#) to request it from another library.

Lost? Stuck? Too many options? [Ask a Librarian](#) for help!

ASSIGNMENT 2: JOURNAL ARTICLES

Assignment:

- research approximately five journal articles about your group or culture
- ideally communication articles (i.e. published in communication journals)
- if articles come from other disciplines, connect them to communication

How do I do this?

1. Start by searching **Communication & Mass Media Complete**: this database includes all the major communication journals and is a good starting point no matter what group.
2. Try some of the other databases below, depending on the nature of your group (socioeconomic, political, other?). You should include terms like "communication" or "rhetoric" to keep it tied to communication practices.
3. If no luck, try one of the broader databases like [Discover](#) or [Academic Search Complete](#) that cover many disciplines.

Plain task-oriented language:

- “What is X?”
- “How do I X?”

Social Work 7200: How To Find Empirical & Lit Review Articles?

Library guide to Dr. Scott's SW 7200 Social Work Across the Lifespan course.

Welcome

Pre-Test

What is a Lit Review?

What are Empirical Articles?

What to Look For

How To Find Empirical & Lit Review Articles?

How Do I Cite My Sources?

Post-Test

SEARCH HERE FIRST

Searching for empirical articles? You can find them in the library's databases. These two make great starting places.

FINDING THE ARTICLE TEXT

Article databases sometimes include the full article, and sometimes only have the citation that tells you when and where the article was

ADVANCED SEARCH TIPS

Constructing an advanced search statement can be difficult. These tips can help, but if you're having trouble, please

CUT SOME TEXT

Nebraska is filled with internationally recognized attractions that draw large crowds of people every year, without fail. In 1996, some of the most popular places were Fort Robinson State Park (355,000 visitors), Scotts Bluff National Monument (132,166), Arbor Lodge State Historical Park & Museum (100,000), Carhenge (86,598), Stuhr Museum of the Prairie Pioneer (60,002), and Buffalo Bill Ranch State Historical Park (28,446).



In 1996, six of the most-visited places in Nebraska were:

Fort Robinson State Park

Scotts Bluff National Monument

Arbor Lodge State Historical Park & Museum

Carhenge

Stuhr Museum of the Prairie Pioneer

Buffalo Bill Ranch State Historical Park



Bold Italic H1 H2 H3 Quote Bullets Numbers Link

Hemingway App makes your writing bold and clear.

The app highlights lengthy, complex sentences and common errors; if you see a yellow sentence, shorten or split it. If you see a red highlight, your sentence is so dense and complicated that your readers will get lost trying to follow its meandering, splitting logic — try editing this sentence to remove the red.

You can utilize a shorter word in place of a purple one. Mouse over them for hints.

Adverbs and weakening phrases are helpfully shown in blue. Get rid of them and pick words with force, perhaps.

Phrases in green have been marked to show passive voice.

You can format your *text* with the toolbar.

Paste in something you're working on and edit away. Or, click the Write button and compose something new.

Write Edit

Hemingway
Editor

Readability

Grade 6

Good

Words: 133

Show More ▼

2 adverbs, meeting the goal of 2 or fewer.

1 use of passive voice, meeting the goal of 2 or fewer.

1 phrase has a simpler alternative.

1 of 11 sentences is hard to read.

1 of 11 sentences is very hard to read.

hemingwayapp.com

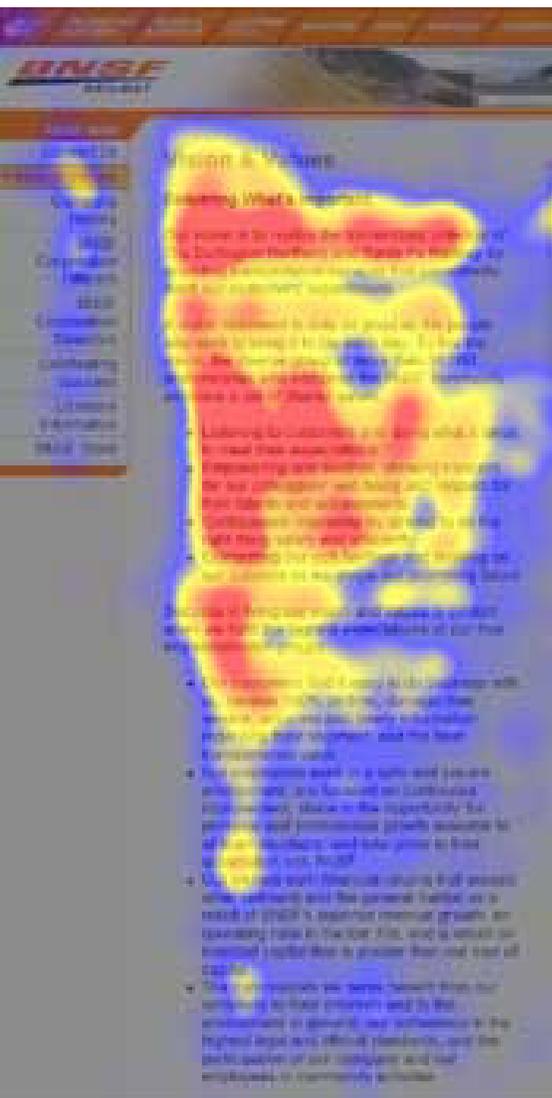
MAKE IT CONCISE AND RELEVANT

Containing fully searchable text for more than 250 of the world's most respected phrenology journals, Database One represents a partnership between INFOCO and Globex to bring the Index of Critical Studies and the UltraBibliography of the New Education Society Online, as well as over 150 monographs, together in a comprehensive digital format for the first time.



This database is a good starting point to find articles for your case study paper. Make sure to check the “peer-reviewed” box when you search so that you get only scholarly sources.





Google

research paper topics



Web Books Images News Videos More Search tools

About 65,700,000 results (0.37 seconds)

101 Research Paper Topics | Reading Worksheets

www.readingworksheets.com/writing-research-paper-topics/ - Looking for a research paper topic? Whether you are a teacher or a student, this list of 101 research topics should be extremely helpful.

Research Topics - Santa Monica College

www.smc.edu/...Research-Topic-Guides.aspx - Santa Monica College The links below connect to research guides about the following topics. The research guides are helpful starting points for your research where you will find ...

100 Research Paper Topics | Midway College

www.midway.edu - Little Memorial Library - Midway College - Business. Cheap labor U.S. companies that move factories to undeveloped nations barely pay employees enough to live on. Is it unethical to pay cheap wages ...

598 Good Research Paper Topics - My Speech Class

www.myspeechclass.com/good-and-interesting-research-paper-topics.html - Perhaps the most difficult part of getting started on a research paper is choosing the topic to write about. We found 598 good research paper topics from a wide ...

Suggested Topics for Research Papers | Crafton Hills College

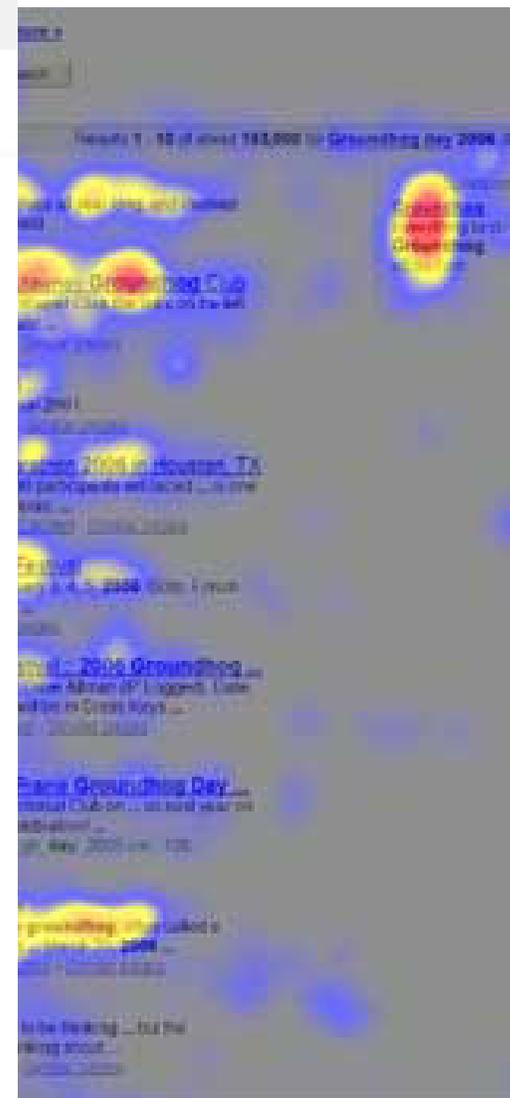
www.craftonhills.edu - Library - Reference Services - Crafton Hills College - Abortion. Abstinence. Acid rain. Adoption of children by single parents. Adoption of interracial children. Affirmative action. Aged. Aged, Abuse of. AIDS (Disease).

Owens Library Hot Paper Topics

www.nwmissouri.edu/...nermindex.h... - Northwest Missouri State University - Student Research Center, offers broad topics and limiting to K-12 reading levels. ... Paper Topics and Opposing Viewpoints, California State University Long ...

Research Paper Topics - Library - Rio Hondo College

library.riohondo.edu - Research Help



www.useit.com

LINKS

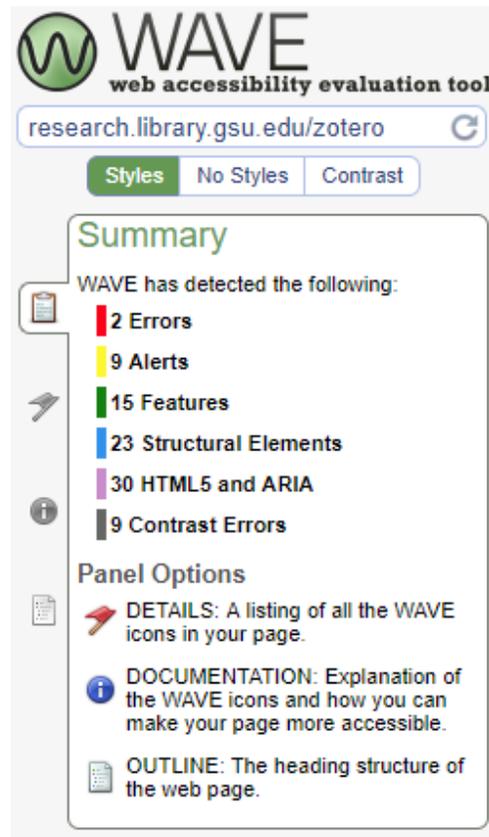
When writing your literature review, start by searching [Film & TV Literature Review Index](#) for articles relevant to your topic, and you may also need to [search our catalog GILFind](#) for scholarly books. See the library's [lit reviews guide](#) for guidance on formatting and organizing.

Don't forget to use proper [APA style formatting](#) as you cite your sources. [Ask for help](#) if you get stuck.



[Click here](#) to search for articles on your topic.

ACCESSIBILITY TUNE-UPS



WAVE
web accessibility evaluation tool

research.library.gsu.edu/zotero

Styles No Styles Contrast

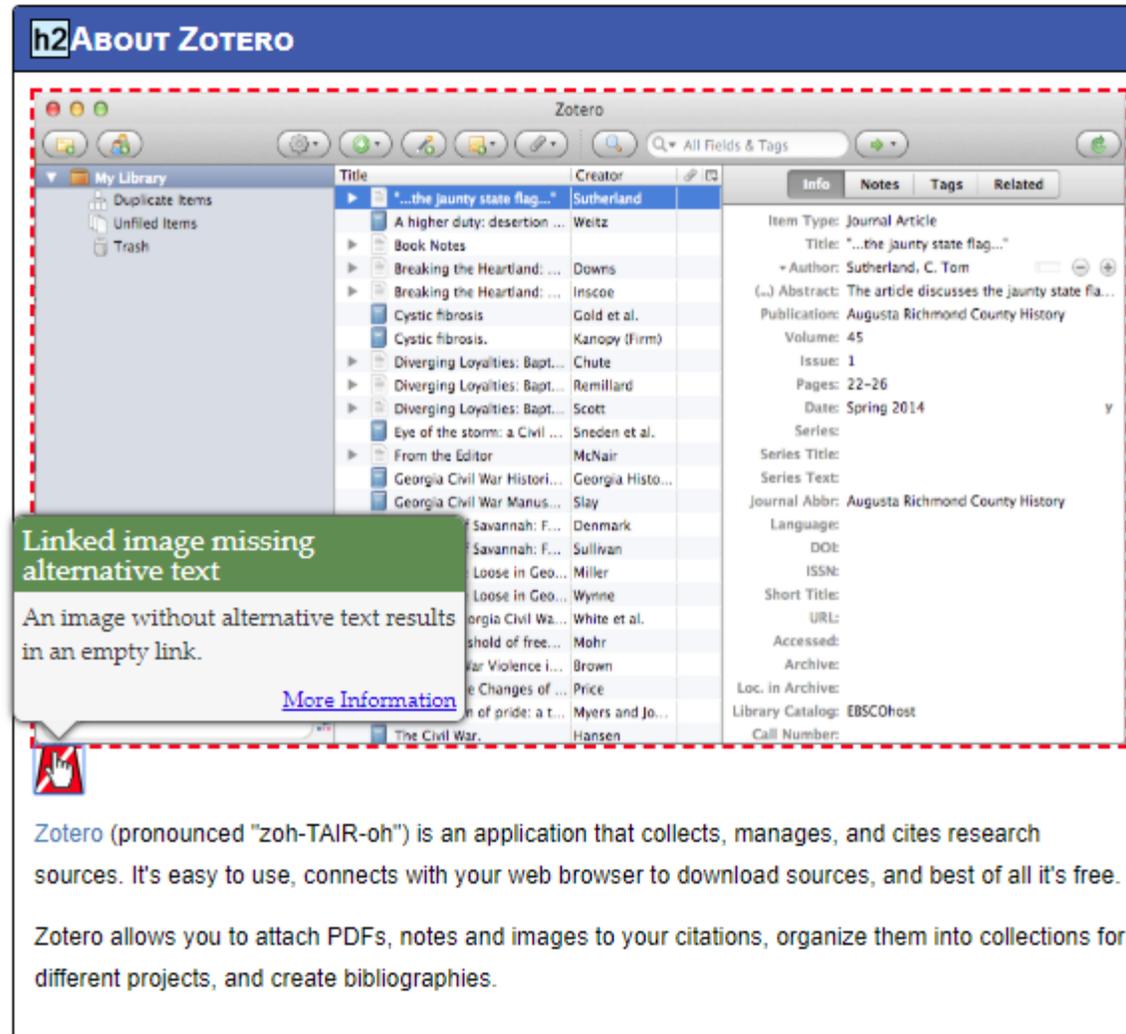
Summary

WAVE has detected the following:

- 2 Errors
- 9 Alerts
- 15 Features
- 23 Structural Elements
- 30 HTML5 and ARIA
- 9 Contrast Errors

Panel Options

- DETAILS:** A listing of all the WAVE icons in your page.
- DOCUMENTATION:** Explanation of the WAVE icons and how you can make your page more accessible.
- OUTLINE:** The heading structure of the web page.



h2 ABOUT ZOTERO

Zotero

My Library

Title	Creator
*...the jaunty state flag...	Sutherland
A higher duty: desertion ...	Weitz
Book Notes	
Breaking the Heartland: ...	Downs
Breaking the Heartland: ...	Inscoe
Cystic fibrosis	Gold et al.
Cystic fibrosis.	Kanopy (Firm)
Diverging Loyalties: Bapt...	Chute
Diverging Loyalties: Bapt...	Remillard
Diverging Loyalties: Bapt...	Scott
Eye of the storm: a Civil ...	Sneden et al.
From the Editor	McNair
Georgia Civil War Histori...	Georgia Histo...
Georgia Civil War Manus...	Slay
Savannah: F...	Denmark
Savannah: F...	Sullivan
Loose in Geo...	Miller
Loose in Geo...	Wynne
orgia Civil Wa...	White et al.
shold of free...	Mohr
ar Violence i...	Brown
e Changes of ...	Price
n of pride: a t...	Myers and Jo...
The Civil War...	Hansen

Info Notes Tags Related

Item Type: Journal Article
Title: "...the jaunty state flag..."
+ Author: Sutherland, C. Tom
(...) Abstract: The article discusses the jaunty state fla...
Publication: Augusta Richmond County History
Volume: 45
Issue: 1
Pages: 22-26
Date: Spring 2014
Series:
Series Title:
Series Text:
Journal Abbr: Augusta Richmond County History
Language:
DOI:
ISSN:
Short Title:
URL:
Accessed:
Archive:
Loc. in Archive:
Library Catalog: EBSCOhost
Call Number:

Linked image missing alternative text

An image without alternative text results in an empty link.

[More Information](#)

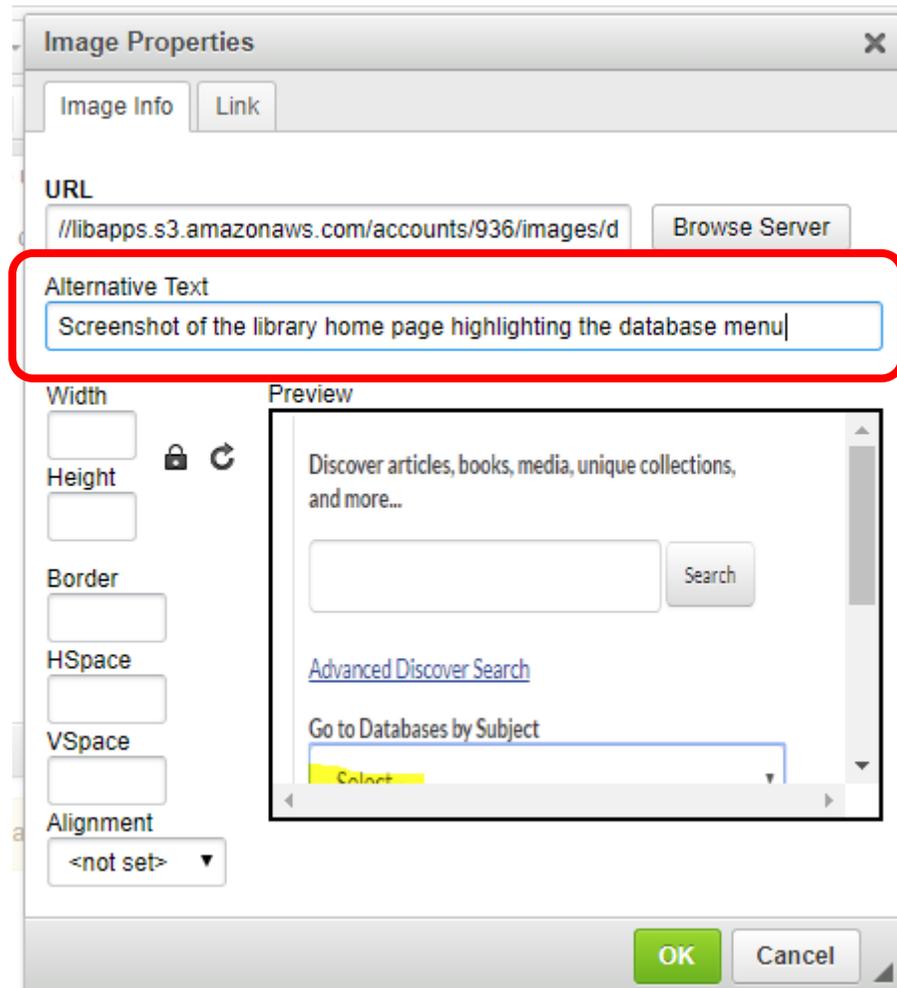


Zotero (pronounced "zoh-TAIR-oh") is an application that collects, manages, and cites research sources. It's easy to use, connects with your web browser to download sources, and best of all it's free.

Zotero allows you to attach PDFs, notes and images to your citations, organize them into collections for different projects, and create bibliographies.

wave.webaim.org
Accessibility checker

IT DOESN'T HAVE TO BE PERFECT TO BE BETTER



LEARNING OPPORTUNITIES

Lynda.com FROM LINKEDIN LIBRARY Search for the software or skills you want to learn Hi Jason

Web > Accessibility
What is accessibility?
From: UX Foundations: Accessibility

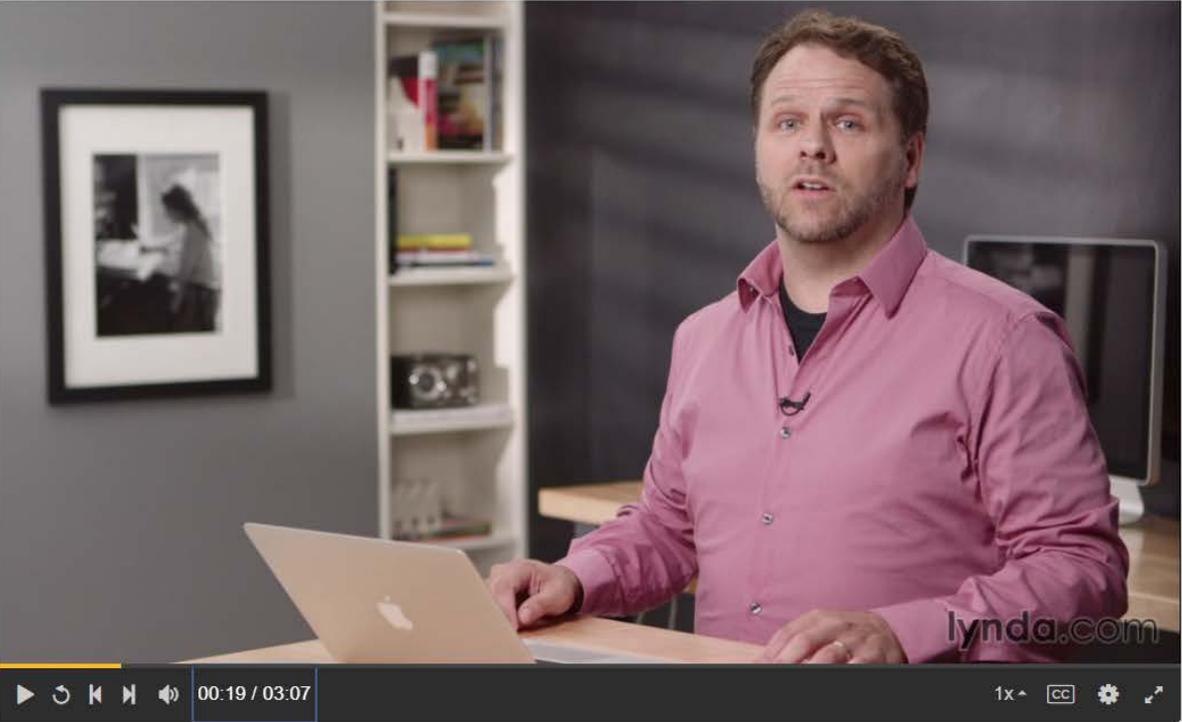
Layout Add to Playlist Share

Contents Notebook

Search This Course

- Introduction
 - Welcome 55s
 - 1. What Is Accessibility?**
 - What is accessibility? 3m 7s**
 - Views of accessibility 5m 14s
 - Accessibility and user experience 2m 31s
 - 2. Accessibility by Example
 - Managing flow 5m 41s
 - Re-creating visual interactions 1m 36s
 - Ensuring proximity in your design 3m 13s
 - Setting expectations 7m 7s
 - Writing the perfect content 2m 8s
 - Designing for memory issues 4m 13s
 - 3. Tools and Techniques
 - Overview of voice recognition

Course Feedback Help us make your experience better



Overview **Transcript** View Offline

- People often talk about how their applications are accessible 24/7 over the internet. That's not what we're talking about. That is simply availability. We're talking about accessibility for people with disabilities. We want to ensure that when we're designing, building, and creating content for our sites and applications that we're taking into account the needs of people with disabilities. That means we're going to make

RESOURCES

Online/distance learning

Seaman, J. E., & Seaman, J. (2017). Digital Learning Compass Distance Education State Almanac 2017: Georgia.

https://www.onlinelearningsurvey.com/reports/almanac/georgia_almanac2017.pdf

Association of College & Research Libraries. (2016). Standards for Distance Learning Library Services. <http://www.ala.org/acrl/standards/guidelinesdistancelearning>. Accessibility recommendations, but also info on institutional support and assessment among other program-level factors.

Usability/UX design

Puckett, J. (2015). *Modern pathfinders: creating better research guides*. Chicago: Association of College and Research Libraries. (Chapter 4 covers usability & design)

Usability.gov: *Improving the User Experience*. Good UX basics and visual design guidelines as well as strategic recommendations.

Schmidt, A., & Etches, A. (2012). *User experience (UX) design for libraries*. Chicago: ALA TechSource.

Best Practices for Building Guides. support.springshare.com/libguides/bestpractices/tools. Includes accessibility best practices, tools & checklists, and lots of good general purpose UX resources for LibGuides authors.

Accessibility/UDL

WebAIM. webaim.org/resources. Home of the WAVE accessibility checker, but also training materials and accessibility checklists.

Lynda.com course “UX Foundations: Accessibility” by Derek Featherstone. Featherstone has other good courses on Lynda.com, but this one in particular is suitably non-technical for most instruction librarians.

Sinkinson, C., Alexander, S., Hicks, A., & Kahn, M. (2012). Guiding Design: Exposing Librarian and Student Mental Models of Research Guides. *Portal: Libraries & the Academy*, 12(1), 63–84.

UDL Guidelines. udlguidelines.cast.org. Home of the latest edition of the Universal Design for Learning guidelines, non-discipline specific and a source of good instructional planning ideas.

Schmutz, S., Sonderegger, A., & Sauer, J. (2017). Implementing Recommendations From Web Accessibility Guidelines: A Comparative Study of Nondisabled Users and Users With Visual Impairments. *Human Factors*, 59(6), 956–972. <https://doi.org/10.1177/0018720817708397>

Centre for Excellence in Universal Design. universaldesign.ie/What-is-Universal-Design. Covers the principles of UD (not just in educational contexts), useful background to UDL for those with a deeper interest.