Information Organization and Access

University of Illinois School of Information Sciences

Tue, Aug 2, 2016 4:06:03 PM

LIS 501C  
Fall 2016  
Tuesday 1:00-2:50pm Room 126  
Friday 9:00-11:50 Room 46  
4 credit hours

Instructor: Maria Bonn  
Email: mbonn@illinois.edu  
Office: LIS 338  
Office Hour: TBA  
Phone: (734) 417-6937

Instructor: David Dubin  
Email: ddubin@illinois.edu  
Office: LIS 330  
Office Hour: Wednesdays, 2-5pm and by appointment  
Phone: (217) 244-3275

Instructor: Jodi Schneider  
Email: jschne23@illinois.edu  
Office: LIS 334  
Office Hour: TBA  
Phone: TBD

# Course Description

This course provides an intensive and thorough introduction to fundamentals of information organization and access from the point of view of the field of library and information science. The course is not an introduction to LIS as a whole or to the profession of librarianship--the focus is squarely on information organization and access. 501 aims to acquaint you with the principal problems of information organization and access, the main streams of thought, and the key thinkers and contributors. The material covered is broad in scope and applicable to a wide variety of settings and systems. The course emphasizes the central position of people, communities, and information users in problems of information organization and access.

# Course Overview

The central themes of the course are:

1. Who uses information, how they use it, and what constraints shape their use of information;
2. How recorded knowledge can be organized and structured;
3. Ways of providing access to the world's knowledge.

# Learning Objectives

1. To provide a foundation for further study in library and information science, including an appreciation for forms of systematic research in LIS.
2. To introduce central concepts, theories, principles, research issues, and people associated with the practice and study of information organization and access.
3. To advance a common set of ideas that help to define the profession's orientation toward problems of information organization and access.

# Course Materials

There is no required textbook for this course; required articles and book chapters are available electronically, through the UIUC Library's electronic reserves system (<https://reserves.library.illinois.edu/ares/>), the UIUC Library's e-journals search tool (<http://openurl.library.uiuc.edu/sfxlcl3/az>), or the open Web (as indicated).

The textbook *The Discipline of Organizing* by Robert J. Glushko is recommended for those new to the field. It provides a discussion of many of the concepts we will discuss in class, and can be accessed online at <http://vufind.carli.illinois.edu/vf-uiu/Record/uiu_7572272>.

This course will introduce you to many terms and concepts that may be new to you.  
Remember that the Library provides access to some reference sources online that may be helpful in providing additional background and explanations.  
These titles are linked from: <http://www.library.illinois.edu/lsx/findit/tools/encyclopedias.html> and <http://www.library.illinois.edu/lsx/findit/tools/dictionaries.html>.  
They include: *ODLIS: Online Dictionary for Library and Information Science* and the *Encyclopedia of Library and Information Sciences*.

# About Maria Bonn

Maria is a senior lecturer at the Graduate School of Library and Information Science at the GSLIS. She is developing courses on the role of libraries in scholarly communication and publishing. Prior to her teaching appointment, Maria served as the associate university librarian for publishing at the University of Michigan Library, with responsibility for publishing and scholarly communications initiatives, including the University of Michigan Press, the Library's Scholarly Publishing Office, the institutional repository (Deep Blue), the Copyright Office, and the Text Creation Partnership. She has also been an assistant professor of English at Albion College and taught at Sichuan International Studies University (Chongqing, China) and Bilkent University (Ankara, Turkey). She received a bachelor's degree with a major in English from the University of Rochester, masters and doctoral degrees in American Literature from SUNY Buffalo, and a masters in information and library science from the University of Michigan.

# About Dave Dubin

David Dubin is a Research Associate Professor at GSLIS. His research explores the foundations of information representation and description as well as issues of expression and encoding in documents and digital information resources.

# About Jodi Schneider

Jodi Schneider is an assistant professor at the School of Information Sciences. She studies scholarly communication and social media through the lens of arguments, evidence, and persuasion. She is developing Linked Data (ontologies, metadata, Semantic Web) approaches to manage scientific evidence. Jodi holds degrees in informatics (Ph.D., National University of Ireland, Galway), library & information science (M.S. UIUC), mathematics (M.A. UT-Austin), and liberal arts (B.A., Great Books, St. John's College). She worked in academic libraries and bookstores for 6 years. She has also held research positions across the U.S. as well as in Ireland, England, France, and Chile.

# Library Resources

<http://www.library.illinois.edu/lsx/>  
lislib@library.illinois.edu  
Phone: 217-333-3804

# Writing Resources

The Writers Workshop provides free consultations. For more information see <http://www.cws.illinois.edu/workshop/>

# Academic Integrity

Please review and reflect on the academic integrity policy of the University of Illinois, <http://admin.illinois.edu/policy/code/article1_part4_1-401.html> to which we subscribe. By turning in materials for review, you certify that all work presented is your own and has been done by you independently, or as a member of a designated group for group assignments. If, in the course of your writing, you use the words or ideas of another writer, proper acknowledgement must be given (using APA, Chicago, or MLA style). Not to do so is to commit plagiarism, a form of academic dishonesty. If you are not absolutely clear on what constitutes plagiarism and how to cite sources appropriately, now is the time to learn. Please ask me! Please be aware that the consequences for plagiarism or other forms of academic dishonesty will be severe. Students who violate university standards of academic integrity are subject to disciplinary action, including a reduced grade, failure in the course, and suspension or dismissal from the University.

# Statement of Inclusion

<http://www.inclusiveillinois.illinois.edu/chancellordivstmtswf.html#ValueStmt>

As the state's premier public university, the University of Illinois at Urbana-Champaign's core mission is to serve the interests of the diverse people of the state of Illinois and beyond. The institution thus values inclusion and a pluralistic learning and research environment, one which we respect the varied perspectives and lived experiences of a diverse community and global workforce. We support diversity of worldviews, histories, and cultural knowledge across a range of social groups including race, ethnicity, gender identity, sexual orientation, abilities, economic class, religion, and their intersections.

# Accessibility Statement

To obtain accessibility-related academic adjustments and/or auxiliary aids, students with disabilities must contact the course instructor and the Disability Resources and Educational Services (DRES) as soon as possible. To contact DRES you may visit 1207 S. Oak St., Champaign, call 333-4603 (V/TTY), or e-mail a message to disability@uiuc.edu.

# Assignments and Evaluation

All assignments are required for all students. Completing all assignments is not a guarantee of a passing grade. All work must be completed in order to pass this class. Late or incomplete assignments will not be given full credit unless the student has contacted the instructor prior to the due date of the assignment (or in the case of emergencies, as soon as practicable). There will be three main assignments, and ten labs. The weighting of each assignment in the final grade is noted below.

Assignments, Exercises & Grade Distribution:

* Assignment 1: Information Needs/Information Seeking Behavior. Due September due date at 11:59 PM (20%).
* Assignment 2: Digital Collections Assessment. Due October due date at 11:59 PM (20%).
* Assignment 3: Final Project. Due October due date at 11:59 PM (40%).
* 10 Labs for Attendance and Completion/Class Participation (20%)

Labs:

1. Library resources (August 26)
2. ITD on computing resources (September 2)
3. Zotero bibliography and formatting (September 30)
4. Cultural heritage object description (September 16)
5. Research methods exercise (September 23)
6. Pandoc encoding and transformation (September 9)
7. Bibo/DC output from Zotero (October 7)
8. Collection stewardship exercise (October 14)
9. Poster prep (October 21)
10. Poster presentations (October 28)

Grading Scale:

94-100 = A  
90-93 = A-  
87-89 = B+  
83-86 = B  
80-82 = B-  
77-79 = C+  
73-76 = C  
70-72 = C-  
67-69 = D+  
63-66 = D  
60-62 = D-  
59 and below = F

# Assignment 1 Information Needs/Information Seeking Behavior

Due September due date at 11:59 PM. This assignment is worth 20 points.

## Rationale

The purpose of this exercise is two-fold. First, it is intended to allow you to examine the factors that condition the information needs or influence the information seeking behavior of a specific user group. Second, it affords you the opportunity to explore what types of research methods are used to do research on concrete user groups. The handout from the first lab of class will assist you with this exercise. Methods Handout If you'd like to know more about the method(s) in your article, you can refer to this Research Methods portal: <http://InformationR.net/rm/>

## Tasks

1. Select a category of information user that interests you (e. g., high school student, scientist, health care consumer, migrant farm worker).
2. Identify a published research study that investigates information needs and/or information seeking behavior of individuals from this population.

## Deliverable

In a brief essay of 600-700 words (1-2 pages) discuss your article's research question, methods, findings, and implications for design of information systems and services (in-person, web-based, or both). Integrate relevant readings from those assigned for class and especially those you have read to date (and from the users and information needs session in particular) in support of your arguments.

## Submitting

1. Upload your essay to the Assignment 1 Moodle dropbox.
2. Post a one-paragraph summary of your article on the Assignment 1 discussion forum.
3. Bring a copy of your article to class for small group discussion.

## Strategies for locating research studies

Articles indexed under the subject "Information needs" or "Information-seeking behavior" in Library & Information Science Source (link from <http://www.library.illinois.edu/lsx/> <http://openurl.library.uiuc.edu/sfxlcl3/az)>

Articles indexed under the descriptor "Information seeking behaviour" or "User needs" in LISA (link from <http://www.library.illinois.edu/lsx/> <http://openurl.library.uiuc.edu/sfxlcl3/az> <http://www.library.uiuc.edu/orr/results.php?types=A&subject=29)>

Studies need not be recently published, but an example of a recent study of this type is the following:

Darby, P.; Clough, P. (2013). Investigating the information-seeking behaviour of genealogists and family historians. Journal of Information Science 39(1): 73-84.

People are increasingly investigating their family history (or genealogy) as part of their everyday information-seeking activities. This paper provides insight into this behaviour and presents a new conceptual model that captures the stages of activity carried out during people’s lifelong family history research. The model offers a multi-phase view of the research process, intended to illustrate: (a) the different research phases themselves; (b) the inter-relationship between phases; (c) distinct phase-specific behaviours; and (d) phase-specific resource preferences. Data collected from amateur family historians by interview and questionnaire has helped to validate the model and provide insights into the information resources used. The findings complement existing knowledge about family history research and will benefit: family historians as they seek to navigate within the research process; providers of genealogical resources as they seek to better support users; and academics as they study information-seeking behaviours in various contexts.

To determine whether the full text of an article is available online, search for the journal title at: <http://openurl.library.uiuc.edu/sfxlcl3/az>. The text of the article may also be freely available on the web (e. g., on the author’s web site), so you might also try doing a Google search using the article title. If the text is not available online, you will need to request a copy of the article. See the LibGuide for Online and Continuing Education Student Resources from the Library:

<http://uiuc.libguides.com/content.php?pid=28713&sid=209698> <http://uiuc.libguides.com/content.php?pid=28713&sid=214766> <http://uiuc.libguides.com/content.php?pid=28713&sid=214766>

# Topic Schedule

Week 1, August 23

LIS Education and professional life

* Background: (Glushko [2015c](#ref-glushko_foundation_2015)), (Wright [2014b](#ref-wright_secret_2014)), (Wright [2014a](#ref-wright_cataloging_2014)), (Levie and Sofidoc Productions. [2004](#ref-levie_man_2004)).
* Required: (Lavoie, Dempsey, and Connaway [2006](#ref-lavoie_making_2006)), (Dyson [2011](#ref-dyson_how_2011)), (Bush [1945](#ref-bush_as_1945)), (Buckland [1997](#ref-buckland_what_1997)), (Bates [1999](#ref-bates_invisible_1999)).

Week 2, August 30

Users and information needs

* Background: (Glushko [2015d](#ref-glushko_interactions_2015)), (Naumer and Fisher [2009](#ref-naumer_information_2009)), (Wilson [2008](#ref-wilson_information_2008)), (Miksa [2009](#ref-miksa_information_2009)), (Foss et al. [2012](#ref-foss_childrens_2012)), (Hyder [2014](#ref-hyder_reading_2014)), (David Johnson [2014](#ref-david_johnson_health-related_2014)), (Connaway and Faniel [2014](#ref-connaway_reordering_2014)), (Marcia J. Bates [2009](#ref-marcia_j._bates_information_2009)), (Connaway and Powell [2010](#ref-connaway_selecting_2010)).
* Required: (Connaway, Dickey, and Radford [2011](#ref-connaway_if_2011)), (Blair [2003](#ref-blair_reading_2003)), (Bawden and Robinson [2009](#ref-bawden_dark_2009)).

Week 3, September 6

Research Methods

* Background: (Fidel [2008](#ref-fidel_are_2008)), (Brett Sutton [2009](#ref-brett_sutton_qualitative_2009)), (Sandstrom and Sandstrom [1995](#ref-sandstrom_use_1995)), (Connaway and Powell [2010](#ref-connaway_selecting_2010)).
* Required: (Shachaf and Horowitz [2006](#ref-shachaf_are_2006)), (Whitmire [1999](#ref-whitmire_racial_1999)).

Week 4, September 13

Structures and Standards

* Background: (Glushko [2015b](#ref-glushko_describing_2015)).
* Required: (Vogt [2013](#ref-vogt_escience_2013)), (DeRose [2014](#ref-derose_what_2014)), (Bettels and Bishop [1993](#ref-bettels_unicode:_1993)), (Coombs, Renear, and DeRose [1987](#ref-coombs_markup_1987)).

Week 5, September 20

Approaches to organizing information

* Background: (Glushko [2015e](#ref-glushko_resources_2015)).
* Required: (Kennedy [2008](#ref-kennedy_nine_2008)), (Maxwell [2010](#ref-maxwell_bibliographic_2010)), (Warren [2015](#ref-warren_2015_2015)), (Swoger [2012](#ref-swoger_._2012)).

Week 6, September 27

Collections

* Background: (Junus [2014](#ref-junus_digital_2014)), (Glushko [2015a](#ref-glushko_activities_2015)).
* Required: (Hadro [2013](#ref-hadro_whats_2013)), (“Update on the Twitter Archive at the Library of Congress.” [2013](#ref-_update_2013)), (Hunter and Oehlerts [1981](#ref-hunter_two_1981)), (Lewis [2013](#ref-lewis_stacks_2013)).

Week 7, October 4

Preservation

* Background: (Glushko [2015f](#ref-glushko_organizing_2015)).
* Required: (Shilton and Srinivasan [2007](#ref-shilton_participatory_2007)), (Teper [2014](#ref-teper_selection_2014)).

Week 8, October 11

Search and discovery

* Background: (Gossen and Nürnberger [2013](#ref-gossen_specifics_2013)), (Hearst [2009](#ref-hearst_evaluation_2009)), (Duffy [2013](#ref-duffy_searching_2013)), (Bates [2007](#ref-bates_what_2007)).
* Required: (Saarinen and Vakkari [2013](#ref-saarinen_sign_2013)), (Bawden [2011](#ref-bawden_encountering_2011)), (Barton and Mak [2012](#ref-barton_old_2012)), (Adkins and Bossaller [2007](#ref-adkins_fiction_2007)).

Week 9, October 18

Evaluation of systems and services

* Background.
* Required: (Asher, Duke, and Wilson [2013](#ref-asher_paths_2013)), (Voorhees [2002](#ref-peters_philosophy_2002)).

Week 10, October 25

Subject analysis and subject languages

* Background: (Kreyche [2013](#ref-kreyche_subject_2013)), (Mitchell and Vizine-Goetz [2009](#ref-mitchell_dewey_2009)), (Chan and Hodges [2009](#ref-chan_library_2009)), (Anderson and Pérez-Carballo [2009](#ref-anderson_library_2009)), (Beghtol [2009](#ref-beghtol_classification_2009)).
* Required: (Lee [2011](#ref-lee_indigenous_2011)), (Higgins [2012](#ref-higgins_library_2012)), (Fister [2009](#ref-fister_dewey_2009)), (Buckland [2012](#ref-buckland_obsolescence_2012)), (Brown-Sica and Beall [2008](#ref-brown-sica_library_2008)).

# References

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Asher, Andrew D, Lynda M Duke, and Suzanne Wilson. 2013. “Paths of Discovery: Comparing the Search Effectiveness of EBSCO Discovery Service, Summon, Google Scholar, and Conventional Library Resources.” *College & Research Libraries* 74 (5): 464–88. doi:[10.5860/crl-374](https://doi.org/10.5860/crl-374).

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