

## INF 380E: PERSPECTIVES ON INFORMATION SYLLABUS

University of Texas at Austin

Fall 2022

Dr. R. David Lankes

*DRAFT Revised August 20, 2022*

### Course Information

Class day and time: Mondays, 12–3 pm

Class location: UTA 1.208

#### Instructor Information

Instructor: Dr. R. David Lankes

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Telephone: 315-254-1389

Office hours will be held through Zoom at: Schedule at <https://calendly.com/davidlankes/meet-with-david?month=2021-10>

#### Teaching Assistants Information

Teaching Assistant: Yao-Cheng Chan

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### Land Acknowledgement

We acknowledge that the iSchool sits on indigenous land. We would like to acknowledge that we are meeting on Indigenous land. Moreover, we would like to acknowledge and pay our respects to the Carrizo & Comecrudo, Coahuiltecan, Caddo, Tonkawa, Comanche, Lipan Apache, Alabama-Coushatta, Kickapoo, Tigua Pueblo, and all the American Indian and Indigenous Peoples and communities who have been or have become a part of these lands and territories in Texas, here on Turtle Island.

### University Catalog Course Description

A multi-disciplinary and historical examination of information as a primary and foundational concept. Contrasts key literature from information studies with perspectives from other fields. Class assignments and activities are designed to introduce or reinforce the professional skills students will need to become leaders in a variety of rapidly changing information-centric careers.

Effective Fall 2014, MSIS students must earn a grade of B or better in the MSIS core courses (below) in order for the courses to apply to the master's degree. A grade of B- does NOT satisfy this requirement.

# Course Objectives and Learning Outcomes

The course provides a foundation for understanding the theories, assumptions and perspectives on the nature of information as it appears in information studies and a variety of cognate fields. Upon successful completion of this course, students will have accomplished or be able to:

- Identify the role of information studies, broadly construed, and its role in particular environments and contexts.
- Explore how disciplines such as our own and others have looked at information as a primary and foundational concept.
- Discuss our field's identity, whether called information studies, library and information studies, library and information science, information science, or any other number of names.
- Discuss the primary ways in which groups, organizations, and institutions employ information; delineating relationships and distinctions among forms of information work, professions, and institutions.
- Draw upon a vocabulary and expertise for thinking critically about the challenges inherent in defining, organizing and accessing information.
- Engage in the reflective, critical inquiry essential to graduate level oral and written work.

## A Note on the Syllabus

Some see the syllabus as a sort of contract between instructor and student. It is not – that's the catalog description. Instead, this is a resource to help you plan, succeed in class, and plan. That said, it is a vital document and one that I take seriously. I may make minor adjustments to the syllabus in the first week or two of the semester. This is mostly edits and clarifications. I will not change due dates, assignments, or grading information....unless with the unanimous consent of the class.

## Class Format

This is a lecture/discussion format course. In class participation and information is essential. However, several class sessions will be help online. The days are marked in the following course schedule. These classes will be with Zoom, and the link will be available in the course Canvas site.

Assignments are turned in via Canvas.

## Course Schedule

<b>Date</b>	<b>Topic</b>	<b>Readings</b>	<b>Assignment</b>
August 22	Syllabus and Course Introduction to Information	Week 1	
August 29	Common Carriers/ Knowledge Infrastructure	Week 2	Discussion Question & Reflection
September 5	LABOR DAY/NO CLASS		
September 12	Encryption/The Monetized Self	Week 3	Critical Reflection 1
September 19	Massive Scale Computing	Week 4	Discussion Question & Reflection
September 26	The Internet and World Wide Web	Week 5	Discussion Question & Reflection
October 3	Dataism and Data Science/HCI Introduction	Week 6	Critical Reflection 2
October 10	CLASS ON ZOOM: Propaganda and Misinformation	Week 7	Discussion Question & Reflection
October 17	Media Consolidation and Intellectual Property	Week 8	Discussion Question & Reflection
October 24	Memory Organizations and Community Knowledge	Week 9	Outline and Resource List
October 31	CLASS ON ZOOM: Trust and Credibility	Week 10	Discussion Question & Reflection

November 7	CLASS ON ZOOM: Knowledge Infrastructure: People and Diversity	Week 11	Draft of Essay
November 14	Knowledge Infrastructure: Technology	Week 12	Peer Review of Essay
November 21	THANKSGIVING BREAK/NO CLASS		
November 28	Knowledge Infrastructure: Sources	Week 13	Discussion Question & Reflection
December 5	Knowledge Infrastructure: Policy	Week 14	Final Version of Essay

### Participation

Students are expected to attend each class, show up on time and ready to actively engage with the in-class discussions and activities, having thoroughly read or viewed the assigned materials, and thought not only about each reading, but how the readings relate to each other, topics we have previously discussed in class, and how they relate to current events. Students have two “free” missed classes; I understand that stuff happens and you might need to miss a class. If you need to miss more than two classes, please talk to me about it first, since missing more than two classes might result in a grade less than a B. Avoid scheduling anything during class time (doctor appointments, interviews, etc.).

It is also important that students work hard to demonstrate respect for the opinions of others, both by listening first to understand, and by carefully and thoughtfully explaining your own ideas.

### Technology Use During Class

Please be respectful with your use of technology during class. Having a computer is useful, and helpful in class, but please be diligent about avoiding distraction. If you need to take a phone call or send a text, please wait until break if possible.

## Grading

Assignment	Date Due	% of Grade
Discussion Questions & Reflection	Week 2, 4, 5, 7, 9, 10, 13	42
Critical reflections (2 x 10 points)	Week 3, 6	20
Outline and resource list	Week 8	5
First Draft	Week 11	5
Peer Review	Week 12	8
Final Draft	Week 14	20

## Grading Scale

The standard grading scale will be used to evaluate student work:

- A 9-100
- A- 90-94
- B+ 87-89
- B 83-86
- B- 80-82
- C+ 77-79
- C 73-76
- C- 70-72
- D+ 67-69
- D 63-66
- D- 60-62
- F 0-59

A grade of B (not B-) is required for this course to fulfill the core course requirement.

## Assignments

All assignments are handed in via the Canvas course site.

### Critical Reflections

Students will write two critical reflections this semester. Your critical reflection should be about 500 words double spaced; about two pages but no more than three. You can choose at least two of the topics we have covered during that section and use any of the discussions or materials from the class during that topic (properly cited, of course), and reflect on how these topics relate to your previous experience or your future plans. You can definitely include additional resources if you would like, but I do not expect you to do additional research if you aren't inclined to. The idea is for you to take some time to reflect on what we discussed and find connections with your personal life and professional plans.

## Discussion Questions and Reflections

Students are expected to bring one thoughtful idea or question related to the reading assignments for the week. They are also asked to write a brief reflection on what they learned in class session and what questions remain. These questions are very helpful, as I can easily see trends across your entries, and clarify areas of confusion.

## Essay

The final assignment for this semester is a 3 – 5-page essay reviewing the material from the semester and connecting it to your own personal life or career goals. Questions I hope you will consider include; what is information? How do the variety of different information studies disciplines relate to one another? What was the most interesting, frustrating, or memorable reading, module, or discussion we have had this semester?

The majority of this essay will be your opinion (feel free to use first person voice, imagine you are having a conversation with me), but if you use or refer to the ideas of other authors, you must use APA citation to support those ideas. You should refer to at least five of the readings we have done this semester. The essay includes four steps:

1. **Step 1 - Outline and resource list:** Make a list of the sources you might use for your essay in APA format. This can be used directly as your bibliography in your essay (copy and paste). Write a two-page outline that organizes the ideas you plan to explore in your essay. You can submit these both in one word document.
2. **Step 2 - Draft:** Write a rough draft of your essay. This should be about five pages long. I recommend you do the best you can so that your peer can give you excellent feedback and help you earn that A!
3. **Step 3 - Peer Review:** Using the Canvas tools, you will review your peer's essay.
4. **Step 4 - Final Version:** Review the feedback from your peer and revise your essay to submit as a final version! 3 - 5 pages, APA format, 12-point font, double spaced, cover page and bibliography do not count toward page numbers.

## Resources

### Style Manuals

Students will need to cite all sources for their essays in APA format. Purdue University Online Writing Lab (OWL) offers a great overview on how to do this. <http://owl.english.purdue.edu/owl> Style manuals are located under Research and Citation.

### Plagiarism

Using someone else's work in your own writing without giving proper credit is considered plagiarism, a serious form of academic dishonesty that can result in severe penalties. Copying someone else's work, buying a paper and submitting it as your own, copying and pasting text (even with changes), or borrowing images from an online source, are some examples of plagiarism. Even if you plagiarize accidentally, you can be held responsible and penalized.

Learning to cite sources appropriately is an important part of becoming a professional. When you are unsure about citation, you are encouraged to ask your instructor what is appropriate in the context of your assignment. Consultants at The [University Writing Center](#) can also help you determine whether you are citing sources correctly—and they have helpful guides online for using [direct quotations](#) and [paraphrasing](#). Reviewing those skills will help you feel confident that you are handling sources professionally in your writing.

## Important University and School Information.

### Title IX reminder

Beginning January 1, 2020, Texas [Senate Bill 212](#) requires all employees of Texas universities, including faculty, report any information to the [Title IX Office](#) regarding sexual harassment, sexual assault, dating violence and stalking that is disclosed to them. Texas law requires that all employees who witness or receive any information of this type (including, but not limited to, writing assignments, class discussions, or one-on-one conversations) must be reported. If you would like to speak with someone who can provide support or remedies without making an official report to the university, please email [advocate@austin.utexas.edu](mailto:advocate@austin.utexas.edu). For more information about reporting options and resources, visit <http://www.titleix.utexas.edu/>, contact the Title IX Office via email at [titleix@austin.utexas.edu](mailto:titleix@austin.utexas.edu), or call 512-471-0419.

### Sharing of Course Materials is Prohibited:

No materials used in this class, including, but not limited to, lecture hand-outs, videos, assessments (quizzes, exams, papers, projects, homework assignments), in-class materials, review sheets, and additional problem sets, may be shared online or with anyone outside of the class unless you have my explicit, written permission. Unauthorized sharing of materials promotes cheating. It is a violation of the University's Student Honor Code and an act of academic dishonesty. I am well aware of the sites used for sharing materials, and any materials found online that are associated with you, or any suspected unauthorized sharing of materials, will be reported to Student Conduct and Academic Integrity in the Office of the Dean of Students. These reports can result in sanctions, including failure in the course.

### Class Recordings:

Class recordings are reserved only for students in this class for educational purposes and are protected under FERPA. The recordings should not be shared outside the class in any form. Violation of this restriction by a student could lead to Student Misconduct proceedings.

### COVID

COVID-19-positive student should contact the [Behavior Concerns and COVID-19 Advice Line](#) (BCCAL) to report their positive result. BCCAL can also assist the student with isolation options, class absence notification or other support. In addition, the student will need to meet **all** of the following [CDC criteria for discontinuing self-isolation](#) including:

- 10+ days since symptom onset (if no symptoms, 10+ days since test date) AND

- 24+ hours fever-free without use of fever-reducing medications AND
  - Other COVID-19 symptoms have improved
- And before ending self-isolation for COVID-19, the student should submit the Self-declaration of release from COVID-19 isolation (see instructions [here](#)) through the [UHS portal](#).

Other university COVID resources:

- [Required COVID-19 test](#)  
FAQs about the COVID-19 test required to be taken within 72 hours of returning or moving in to Austin residence for fall semester
- [Student process for positive COVID-19 test](#)  
Self-reporting process and additional guidance for students if they have a positive COVID-19 test
- [COVID-19 health information and resources](#)  
Useful information and best practices to protect yourself and our community from COVID-19 infection
- [COVID-19 Vaccinations](#)  
UT Health information about where to obtain COVID-19 vaccinations on campus. Vaccinations are free and not billed to health insurance.
- [What to do if you have symptoms](#)  
Guidance on what to look for and instructions on what to do if you have COVID-19 symptoms
- [University Health Services COVID-19 information](#) Student portal for all university health information, processes, and guidance related to COVID-19.
- [University's mask guidance](#)  
Make sure your recommended protective face mask covers your nose and mouth.
- [Proactive Community Testing](#)  
Will be available throughout the semester and remains an important part of the university's efforts to protect our community. Tests are fast and free.
- Visit [protect.utexas.edu](https://protect.utexas.edu) for all university COVID-19 updates and information.

## Readings

### Is there a textbook?

Not really. However, the lectures and topics are explored in a book I wrote called *Forged in War: How a Century of Conflict Created Today's Information Society* published by Rowman & Littlefield. The book is **not** required, but may be of use to students who wish to review the content of lecture in written form, or explore topics raised in more depth. The book has been put on reserve in digital and physical copy with the university library.

Digital reserve is at

[https://search.lib.utexas.edu/permalink/01UTAU\\_INST/be14ds/alma991058231942106011](https://search.lib.utexas.edu/permalink/01UTAU_INST/be14ds/alma991058231942106011)

## Required Readings

This is a draft list of readings. It will most likely be updated by the first week of class. There is also a chance that readings will be changed during the semester to bring in current events and issues. I will provide you with links or access the full text of readings in the class.

### Week 2

Buckland, Michael K. (1991a). Information as thing. *Journal of the American Society for Information Science*, 42(5), 351-360. Available at <http://ezproxy.lib.utexas.edu/login?url=https://www-proquest-com.ezproxy.lib.utexas.edu/scholarly-journals/information-as-thing/docview/216897238/se-2?accountid=7118>

Buckland, Michael. K. (1997). What is a “document”? *Journal of the American Society for Information Science*, 48(9), 804-809. Also available in Trudi Bellardo Hahn & Michael Buckland (Eds., 1998), *Historical studies in information science* (pp. 215-220). Medford, NJ: Information Today. Also available at <http://ezproxy.lib.utexas.edu/login?url=https://www-proquest-com.ezproxy.lib.utexas.edu/scholarly-journals/what-is-document/docview/216902005/se-2?accountid=7118>

“The World’s Most Valuable Resource Is No Longer Oil, but Data.” *The Economist*. May 6, 2017. <https://www.economist.com/leaders/2017/05/06/the-worlds-most-valuable-resource-is-no-longer-oil-but-data>.

Zins, C. (2007). “Conceptual Approaches for Defining Data, Information, and Knowledge” *Journal of the American society for information science and technology*, 58(4):479–493 <http://www.success.co.il/files/jasist-definitions-dik.pdf>

### Week 3

Fowler, Geoffrey A. “You Watch TV. Your TV Watches Back.” *The Washington Post*. September 18, 2019. <https://www.washingtonpost.com/technology/2019/09/18/you-watch-tv-your-tv-watches-back>.

From Oppression to Liberation: Reclaiming the Right to Privacy <https://www.privacyinternational.org/sites/default/files/2018-11/From%20oppression%20to%20liberation-reclaiming%20the%20right%20to%20privacy.pdf>

### Week 4

Bush, Vannevar. (1948, July). As we may think. *Atlantic Monthly*, 176(1), 101-108. Available at <http://www.theatlantic.com/unbound/flashbks/computer/bushf.htm>

“Claude Shannon - Information Theory and More.” I Programmer. Last modified April 27, 2017. <https://www.i-programmer.info/history/people/351-claude.html>.

Sentance, Nathan. (2018, January 22). Your neutral is not our neutral. *Archival Decolonist: Museums are not f\*\*cking neutral*. Available at <https://archivaldecolonist.com/2018/01/18/your-neutral-is-not-our-neutral>

Pearce, Fred. "Energy Hogs: Can World's Huge Data Centers Be Made More Efficient?" Yale School of the Environment. April 3, 2018. <https://e360.yale.edu/features/energy-hogs-can-huge-data-centers-be-made-more-efficient>.

## Week 5

Johnson, Conrad and Brian Donnelly. "A Brief History of the World Wide Web and the Internet." Prepared for the Columbia Legal Theory Workshop, New York, NY, October 24, 2003. <http://www2.law.columbia.edu/donnelly/lda/ih/techprof.html>

## Week 6

Brooks, David. "The Philosophy of Data." *The New York Times*. February 4, 2013. <https://www.nytimes.com/2013/02/05/opinion/brooks-the-philosophy-of-data.html>.

"What Census Calls Us." Pew Research Center. February 6, 2020. <https://www.pewsocialtrends.org/interactives/multiracial-timeline>.

Kitchin, R. (2017). Thinking critically about and researching algorithms <https://www-tandfonline-com.ezproxy.lib.utexas.edu/doi/full/10.1080/1369118X.2016.1154087>

Kuang, C. (2017). Can AI be taught to explain itself? <https://advance-lexis-com.ezproxy.lib.utexas.edu/document/?pdmfid=1516831&crd=29f62cb6-3662-4825-aa77-57a179e4bcb7&pddocfullpath=%2Fshared%2Fdocument%2Fnews%2Furn%3AcontentItem%3A5R1Y-KJ61-DXY4-X01W-00000-00&pdcontentcomponentid=6742&pdteaserkey=sr0&pditab=allpods&ecomp=wzvnk&earg=sr0&prid=f019b5ab-0edf-415f-8250-421ce738f4df>

## Week 7

Lazer, D.M.J., Baum, M.A., Benkler, Y., Berinsky, A.J., Greenhill, K., Menczer, F., Metzger, M.J., Nyhan, B., Pennycook, G., Rothschild, D., Schudson, M., Sloman, S.A., Sunstein, C.R., Thorson, E.A., Watts, D.J., & Zittrain, J.L. (2018). The science of fake news. *Science*. Retrieved from: <https://science.sciencemag.org/content/359/6380/1094/tab-pdf>

## Week 8

Adichie, Chimamanda Ngozi. "The Danger of a Single Story." July 2009. TEDGlobal, 18:34. [http://www.ted.com/talks/chimamanda\\_adichie\\_the\\_danger\\_of\\_a\\_single\\_story?language=en](http://www.ted.com/talks/chimamanda_adichie_the_danger_of_a_single_story?language=en).

Matsa, Katerina Eva. "Buying Spree Brings More Local TV Stations to Fewer Big Companies." Pew Research Center. May 11, 2017. <https://www.pewresearch.org/fact-tank/2017/05/11/buying-spree-brings-more-local-tv-stations-to-fewer-big-companies>.

## Week 9

Somers, James. "Torching the Modern-Day Library of Alexandria." *The Atlantic*. April 20, 2017. <https://www.theatlantic.com/technology/archive/2017/04/the-tragedy-of-google-books/523320>.

Glaser, April. "Long Before Snowden, Librarians Were Anti-Surveillance Heroes." *Slate*. June 3, 2015. <https://slate.com/technology/2015/06/usa-freedom-act-before-snowden-librarians-were-the-anti-surveillance-heroes.html>.

Patin, B, Sebastian, M, Yeon, J, Bertolini, D, Grimm, A. Interrupting epistemicide: A practical framework for naming, identifying, and ending epistemic injustice in the information professions. *J Assoc Inf Sci Technol*. 2021; 1– 13. <https://asistdl-onlinelibrary-wiley-com.ezproxy.lib.utexas.edu/doi/full/10.1002/asi.24479>

## Week 10

Horrigan, John B. "The Elements of the Information-Engagement Typology." Pew Research Center. September 11, 2017. <https://www.pewresearch.org/internet/2017/09/11/the-elements-of-the-information-engagement-typology>.

Kramer, Roderick M. "Rethinking Trust." *Harvard Business Review*. June 2009. <https://hbr.org/2009/06/rethinking-trust>.

## Week 11

Cooke, N.A., Sweeney, M. and Noble, S.U. (2016). Social Justice as Topic and Tool: An Attempt to Transform a LIS Curriculum and Culture. *Library Quarterly*. <https://www-journals-uchicago-edu.ezproxy.lib.utexas.edu/doi/full/10.1086/684147>

## Week 12

Windley, Phillip. "How Blockchain Makes Self-Sovereign Identities Possible." *Computerworld*. January 10, 2018. <https://www.computerworld.com/article/3244128/how-blockchain-makes-self-sovereign-identities-possible.html>.

IBM. "Everyday Ethics for Artificial Intelligence." Accessed July 31, 2020. <https://www.ibm.com/watson/assets/duo/pdf/everydayethics.pdf>.

## Week 13

## Week 14

"Internet/Broadband Fact Sheet." Pew Research Center. June 12, 2019.  
<https://www.pewresearch.org/internet/fact-sheet/internet-broadband>.

Samuelson, Pamela. "The Copyright Principles Project: Directions for Reform." *Berkeley Technology Law Journal* 25, (2010): 1176. . <https://www.law.berkeley.edu/php-programs/faculty/facultyPubsPDF.php?facID=346&pubID=221>.