

Syllabus
INLS 202, Retrieval and Organizing Systems, Fall 2017, Dr. Stephanie W. Haas
Tuesday/Thursday, 12:30 – 1:45

Instructor: Dr. Stephanie W. Haas, with Deborah Maron
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Office Hours: Tuesday and Thursday, 10:00 – 11:00, and by appointment
Class Meets: Tuesday and Thursday, 12:30 – 1:45

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Course Description

Introduction to foundational core concepts and core techniques in information organization, information retrieval, and data mining. (3 credits)

Course Objectives

- Identify and describe the major concepts and terminology of information representation, organization, information retrieval and related topics through readings, presentations, discussions, and activities.
 - Interpret, apply, and analyze techniques of information representation, organization, retrieval, and related topics through exercises, assignments, and examinations.
 - Develop critical thinking and problem solving skills including reflection, explanation, and evaluation.
 - Learn the value of information representation, organization, retrieval and related topics in the information world, and gain an understanding of the field of Information Science.
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Rationale and Approach

This course examines several inter-related areas in Information Science, with a focus on how information is represented, organized, and retrieved in information systems. It is intended to build on INLS 201, Foundations of Information Science, and prepare students for more advanced courses in Information Science such as INLS 509 Information Retrieval, and INLS 520 Organization of Information.

The three major areas we will study -- how information is represented, how information is organized, and how information is retrieved – are tightly inter-woven. Each constrains the other two, and each pair constrains the remaining area. We will examine the individual areas, as well as the relationships among them.

Information and information systems do not exist in a vacuum. Technology, standards (formal and informal), needs and expectations, and culture and society shape the systems and the information itself. Thus, we will also consider the context in which information and information systems exist.

Your work for this class falls into 4 categories: 1) preparation for each class, 2) in-class activities, 3) exercises and a reflections journal, and 4) assessment in form of assignments and examinations.

Preparation: The schedule lists the topics and materials (readings, videos, etc.) for each class meeting. Folders in the Sakai Resources/Class Materials contain the materials for each class. Slides from the class (if any) will usually be added shortly before the class meeting, in case you would like to take notes on them.

Plan ahead to give yourself enough time to complete all the preparations for each meeting. You are welcome to work together to prepare for class.

In-class activities: In-class activities are a mix of lecture, discussion, and exercises. We will also host some guest speakers.

Exercises and reflections journal: Several brief exercises are based on material introduced in class. You will complete the exercise as homework, upload your work into the Sakai Assignment, and share your results during the next class. In this way, we can expand the number of examples and aspects of each topic we explore.

I will assign prompts for you to respond to in your reflections journal. Prompts will ask you to think about course topics: what you found interesting (or frustrating), comments or ideas that occurred to you after the class, additional questions, and so on. In this way, you can record comments and observations in addition to those you made in class. You will keep your journal in your Sakai Drop Box.

Assignments and examinations: There will be 3 assignments, and 3 examinations during the semester.

Keys to Success

- Plan ahead! Success in this course requires project management skills: identify milestones and deadlines, and plan your work accordingly.
- Coordinate the work schedule for this class with the schedules for your other classes, work, and other activities. You are likely to have many deadlines toward the end of the semester, so it's important for you to keep up.
- Give yourself plenty of time to prepare for each class. You may find some of the readings challenging; take the time to get as much as you can from each one. If you are not prepared for class, you will not be able to fully participate in (and benefit from) each class meeting.
- If there is something you don't understand, say so! If you don't want to ask during class, come to my office hours, make an appointment with me, or contact me by email.
- If you have any questions or concerns about the class or your work for the class, please talk to me about them. I cannot help you if I don't know there is an issue, and it is always easier to deal with problems earlier rather than later.

Course Policies

Preparation and Attendance

I will always be prepared for class, and will start class on time. If unforeseeable circumstances prevent this for any reason, I will try to notify you beforehand if at all possible. I expect the same of you: be prepared for class, and be ready to start class on time.

You are expected to attend all class meetings. Unexplained absences or tardiness will lower your participation grade – you cannot participate if you are not present. In addition, they are discourteous and unprofessional. (How would your manager respond to unexplained absences?)

- If you know you will miss a class because of an unavoidable conflict, for example, because you will be attending a conference, you must inform me by email in advance of the class.
- If you must miss a class session unexpectedly, for example, because of illness or other emergency, you must inform me by email as soon as possible.

- If you miss a class for any reason, you are responsible for learning what you missed from a classmate.

Reading assignments, exercises, study questions, and other preparation should be done before the class for which they are assigned so you can ask questions and participate in discussions. Some of the readings are introductory or textbook-like, others are research articles, which may be more complex. Give each reading your honest effort, but don't panic if there's something you don't understand. Make a note of your questions so we can discuss them in class.

Participation

- You are expected to be an active participant in class, including full class discussions, small group discussions and exercises, and individual exercises.
- Participation is not just about talking; listening to others' ideas and facilitating discussions and exercises to make sure everyone has a chance to participate is also important.
- Asking a question is another form of participation. Other students may be wondering the same thing – or you may have thought of something no one else has.
- During class, laptops, smartphones, and similar devices should be used only for class-related work. Unrelated activities such as texting, browsing, using social media, or playing games divert your attention from the class and are distracting and discourteous to others.
- Please mute your phone before class starts.

Participation grades are based on the following rubric.
(adapted with permission from Dr. Emily Vardell)

	Strong	Needs development	Unsatisfactory
Preparation	Arrives with notes, observations, and questions.	sometimes arrives unprepared.	Shows little if any indication of having prepared for class or having read the assigned materials.
Listening	Actively supports, listens, and engages.	Shows effort to interact but at times shows disinterest in peer contributions.	Limited or no interaction with peers and may exhibit disrespect.
Quality of contributions	Comments and questions are relevant and show close reading and keen insight.	Participates constructively but unevenly. Comments and questions are at times irrelevant or lack depth.	Never participates or participates only when prodded and does so perfunctorily. Shows little interest in materials or peer contributions.
Frequency of participation	Participates actively at appropriate times.	Participates sometimes but fails always to be attentive.	Rarely participates and is not generally engaged.
Impact on class	Moves discussion forward; class members benefit from student's contributions and group dynamic is enhanced.	Sometimes advances discussion but at other times seems merely filler. Group dynamics are sometimes better (but never worse) as a result of student participation.	Comments and questions fail to advance conversation. Group dynamics are impaired as a result of student's participation.

Assignments, Exercises, Journal Entries

Assignments, including exercises and journal entries, must be submitted on time, either deposited in your Sakai Drop Box or through the Assignment tool in Sakai.

Although you will be able to submit an assignment after the deadline, a late assignment will be penalized.

- Assignments will be penalized 5% for each day they are late.
- Exercises will be penalized 1 point (out of 10) if they are submitted within 2 hours of the due date/time, 2 points if they are submitted within 1 day of the due date/time, and 1 additional point for each subsequent day. These exercises form part of the content of the class on the due date; they lose value to the class if they are submitted after it occurs.
- Journal entries that are more than 1 week late will be penalized 1 point (out of 4).

If you have a real problem submitting an assignment, exercise, or journal entry on time, please talk to me *well before* the due date. Getting a late start on an assignment does not count as a real problem.

Pay attention to the instructions for each assignment, exercise, and journal entry. Be sure you have completed each part of the assignment, and proofread it before you submit it.

Start working on assignments well in advance of the due date. Do not wait until the last minute (or hour or day) to ask questions about the assignment – I may not be available for consultation.

Communications

My office hours are Tuesday and Thursday, 10:00 -- 11:00. You are also welcome to make an appointment, if office hours are not convenient for you.

The best way to get in contact with me (other than talking to me during my office hours) is by email: shaas at email dot unc dot edu. Note that I receive a large amount of email and while I try to reply to student emails within 48 hours, there are times that it may take me 2-3 days to reply. Therefore, it is important that you get started on assignments early, so there is time for me to respond to any questions you may have. I cannot guarantee that I will be able to answer last-minute questions (e.g., within 2 days of the assignment due date).

You may also call me at 919-962-8360.

Email and phone call are both good ways of letting me know if you can't be in class, or if you want to make an appointment with me.

If you want to discuss something we talked about in class, and assignment or some other matter, I prefer we meet in person. Please come to my office hours or make an appointment with me.

I will use the message/email facility within Sakai to send announcements to the class, as well as to individual students.

Policies on Academic Integrity and Diversity

Chapel Hill has had a student-administered honor system and judicial system for over 100 years. Because academic honesty and the development and nurturing of trust and trustworthiness are important to all of us as individuals, and are encouraged and promoted by the honor system, this is a most significant University tradition. More information is available at <http://studentconduct.unc.edu/honor-system>

The UNC Honor Code is in effect for all work in this course. Chapter 5 of the "[Instrument of Student Judicial Governance](#)" (<https://studentconduct.unc.edu/sites/studentconduct.unc.edu/files/documents/Instrument.pdf>) discusses Academic Dishonesty; you are responsible for being familiar with, and abiding by all aspects of the "Instrument".

Students often ask what is okay to talk about with other students and what is not. There are some specific guidelines for this course.

- I do encourage you to help each other learn the course material – your fellow students can often be a great resource for learning. For example, you may want to work together when you are reading an assigned reading for class.
- Reflective journal entries may be based on other students' comments or ideas (although they do not have to be), but you should add your own thoughts and ideas. Give the others credit for their inspiration.
- All work you submit for exercises, assignments and examinations should be your own.

In support of the University's diversity goals and the mission of the School of Information and Library Science, SILS embraces diversity as an ethical and societal value. We broadly define diversity to include race, gender, national origin, ethnicity, religion, social class, age, sexual orientation and physical and learning ability. As an academic community committed to preparing our graduates to be leaders in an increasingly multicultural and global society we strive to:

- Ensure inclusive leadership, policies, and practices;
- Integrate diversity into the curriculum and research;
- Foster a mutually respectful intellectual environment in which diverse opinions are valued;
- Recruit traditionally underrepresented groups of students, faculty and staff; and
- Participate in outreach to underserved groups in the State.

The statement represents a commitment of resources to the development and maintenance of an academic environment that is open, representative, reflective and committed to the concepts of equity and fairness.

Grading Policies

Your final grade will be based on the following:

3 Examinations	60% (20% each)
3 Assignments	15% (5% each)
Exercises	15%
Preparation & Participation	5%
Reflection	5%

The following grade scale will be used AS A GUIDELINE (subject to any curve).

Grade Range	Definition*
A 90-100%	Mastery of course content at the <u>highest level of attainment</u> that can reasonably be expected of students at a given stage of development. The A grade states clearly that the students have shown such <u>outstanding promise</u> in the aspect of the discipline under study that he/she may be strongly encouraged to continue.
B 80-89.9%	<u>Strong performance</u> demonstrating a high level of attainment for a student at a given stage of development. The B grade states that the student has shown solid promise in the aspect of the discipline under study.
C 70-79.9%	A <u>totally acceptable</u> performance demonstrating an adequate level of attainment for a student at a given stage of development. The C grade states that, while not yet showing unusual promise, the student may continue to study in the discipline with reasonable hope of intellectual development.
D 60-69.9%	A <u>marginal performance</u> in the required exercises demonstrating a minimal passing level of attainment. A student has given no evidence of prospective growth in the discipline; an accumulation of D grades should be taken to mean that the student would be well advised not to continue in the academic field.
F 0-59.9%	For whatever reason, an <u>unacceptable performance</u> . The F grade indicates that the student's performance in the required exercises has revealed almost no understanding of the course content. A grade of F should warrant an advisor's questioning whether the student may suitably register for further study in the discipline before remedial work is undertaken.

*Definitions are from: <http://registrar.unc.edu/academic-services/grades/explanation-of-grading-system/> (underlining is my emphasis)

Sakai

We will use Sakai for almost all course activities. All enrolled students should have access to the UNC Sakai site for this course: <http://sakai.unc.edu/>

Course Materials

Most course materials are stored in folders in the Sakai/Resources tool.

Official Course Documents. This folder includes the syllabus, schedule, an overview of assignments, and other important information.

Class Materials. This folder contains a folder for each class meeting, labeled with the class number and date.

Contents of each class folder may include:

- Overview: reading and other work that you should complete before the class, as well as any in-class activities you should prepare for
- Articles that aren't available on the web
- Slides that will be used during the class (usually added the morning of the class meeting)
- Instructions and prompts for exercises and reflective journal entries (if any).

It is your responsibility to check each class folder enough in advance so you can prepare for the class.

Submitting assignments, exercises, and journal entries

Assignments and exercises must be submitted through the Sakai Assignment Tool following the submission instructions given in the assignment specifications.

You each have a Drop Box in Sakai that is accessible only to you and me. You will keep your journal in your Sakai Drop Box.

If for some reason you are unable to submit an assignment to Sakai, as a last resort you may email it to me along with a note about the problem you encountered. Then, as soon as you are able to, it is your responsibility to submit the exact same assignment to Sakai. The email serves as a record that you tried to submit the assignment on time, but to receive credit, your assignment must be uploaded to Sakai.

Gradebook

I will use the Sakai Gradebook to record course grades.

Schedule Overview
INLS 202 Retrieving and Organizing Systems, Fall 2017, Prof. Stephanie W. Haas
Tuesday/Thursday 12:30 – 1:45

This is a tentative overview of the schedule: topics, class preparation, and assignments may be revised at the instructor's discretion.

1. Tuesday 8/22/17, Introductions and Business

2. Thursday 8/24/17 The ROR Model

Assign Exercise 1, The ROR Model, due Tuesday 8/29/17 in Sakai by 10:00 a.m.: be prepared to discuss in class.

3. Tuesday 8/29/17 Principles of Organization

Exercise 1 due in Sakai by 10:00 a.m.

Assign Journal 1, Consider the ROR, due Thursday 8/31/17 in Sakai Drop Box by 10:00 a.m.

4. Thursday 8/31/17, Affordances & Disaffordances

Journal 1 due in Sakai Drop Box by 10:00 a.m.

Assign Exercise 2, Information Affordances and Disaffordances, due Tuesday 9/5/17 in Sakai by 10:00 a.m.

5. Tuesday 9/5/17, Categorization

Exercise 2 due in Sakai by 10:00 a.m.

Assign Journal 2: Other digital categories, due Thursday 9/7/17 in Sakai Drop Box by 10:00 a.m.

Assign A1, Organization of your digital life, due Tuesday 9/19/17 in Sakai by 10:00 a.m.

6. Thursday 9/7/17, Introduction to Metadata: focus on RDF

Journal 2 due in Sakai Drop Box by 10:00 a.m.

7. Tuesday 9/12/17, FOAF

8. Thursday 9/14/17, Guest: Chad Haefele, User Experience and Assessment, University Library

Assign Journal 3, What did you learn? Due Tuesday 9/19/17 in Sakai Drop Box by 10:00 a.m.

9. Tuesday 9/19/17 Faceted Classification

Journal 3 due in Sakai Drop Box by 10:00 a.m.

A1 due in Sakai by 10:00 a.m.

10. Thursday 9/21/17, Creative representations of science

Assign Exercise 3, Periodic table, due Tuesday 9/26/17 in Sakai by 10:00 a.m.

11. Tuesday 9/26/17, Relationships

Exercise 3 due in Sakai by 10:00 a.m.

12. Thursday 9/28/17 Examination 1 R & O

13. Tuesday 10/3/17, Information Retrieval: Search tasks

Assign Exercise 4: Search task analysis, due Thursday 10/5/17 in Sakai by 10:00 a.m.

14. Thursday 10/5/17 IR 2

Exercise 4 due in Sakai by 10:00 a.m.

15. Tuesday 10/10/17, Guest: Gary Marchionini, Dean and Boshamer Distinguished Professor, SILS

Assign Journal 4, What did you learn? Due Thursday 10/12/17 in Sakai Drop Box by 10:00 a.m.

16. Thursday 10/12/17, Nontext IR

Journal 4 due in Sakai Drop Box by 10:00 a.m.

Assign Exercise 5, Non-text representation and retrieval, due Tuesday 10/17/17 in Sakai by 10:00 a.m.

17. Tuesday 10/17/17 IR IRL

Exercise 5 due in Sakai by 10:00 a.m.

Assign Exercise 6. Refinding on the Web, due Tuesday 10/24/17 in Sakai by 10:00 a.m.

Assign A2, PIM, due Thursday 11/7/17 in Sakai by 10:00 a.m.

Thursday 10/19/17: Fall Break

18. Tuesday 10/24/17, PIM: Files and Piles

Exercise 6 due in Sakai by 10:00 a.m.

19. Thursday 10/26/17, PIM: Email

Assign Exercise 7, Your Contacts, due Tuesday 10/31/17

20. Tuesday 10/31/17, Guest: Prof. Jaime Arguello, SILS

Exercise 7 due in Sakai by 10:00 a.m.

Assign Journal 5, What did you learn? Due Thursday 11/7/17 in Sakai Drop Box by 10:00 a.m.

21. Thursday 11/2/17 Examination 2 Information Retrieval

22. Thursday 11/7/17, Citation Networks

Journal 5 due in Sakai Drop Box by 10:00 a.m.

A2 due in Sakai by 10:00 a.m.

Assign A3, Citation Networks, due in Sakai by Thursday 11/30/17, 10:00 a.m.

23. Thursday 11/9/17, Guest: Prof. Gabriel Peterson

Assign Journal 6, What did you learn? Due in Sakai Drop Box by Tuesday 11/14/17 10:00 a.m.

24. Tuesday 11/14/17, Social Network Analysis

Journal 6 due in Sakai Drop Box by 10:00 a.m.

25. Thursday 11/16/17, Using SNA Software

26. Tuesday 11/21/17, Recommender Systems

Thursday 11/23/17: Thanksgiving

27. Tuesday 11/28/17, Networks Summary

28. Thursday 11/30/17, Guest: TBA, What's new and exciting

A3 due in Sakai by 10:00 a.m.

Assign Journal 7: What did you learn? Due Tuesday 12/5/17 in Sakai Drop Box by 10:00 a.m.

29. Tuesday 12/5/17, Wrap-up

Journal 7 due in Sakai Drop Box by 10:00 a.m.

Friday 12/8/17, 12:00 noon – 3:00 pm, Examination 3: Networks & Course Synthesis

Assignment Overview
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Tuesday/Thursday, 12:30 – 1:45

Your work for this course are intended to provide opportunities for you to:

- explore your information world through the lenses of information representation, organization, and retrieval,
- apply theories, frameworks, and tools in real-world contexts,
- reflect on and synthesize what you have encountered.

I will assess your learning based on your performance on a variety of activities and deliverables.

Examinations (60% of final grade, 20% each)

- Examination 1, Representation & Organization. Thursday, 9/28/17, during regular class meeting.
- Examination 2, Information Retrieval. Thursday, 11/2/17, during regular class meeting.
- Examination 3, Networks and Course Synthesis. Friday 12/8/17, 12:00 noon, during final exam period.

Assignments (15% of final grade, 5% each)

- A1, Organization of your digital live: Assigned Tuesday 9/5/17, due Tuesday 9/19/17.
- A2, PIM: Assigned Tuesday 10/17/17, due Thursday 11/17/17.
- A3, Citation Networks: Assigned Thursday 11/17/17, due Thursday 11/63017.

Exercises (15% of final grade)

There will be 7-10 brief exercises assigned during the semester. Typically, you will complete the exercise as homework, upload your work into the Sakai Assignment Tool, and share your results during the next class meeting to enrich our discussion. Exercises are intended to take approximately 30 minutes to complete.

Preparation & Participation (5%)

Preparation for each class meeting may include readings, videos, and thought questions. Being prepared for class means you have encountered and thought about the ideas and concepts presented in the materials, and can be an active participant in class.

Participation comes in many forms: answering questions about readings, contributing to discussions, listening to others' contributions, sharing your results from assigned exercises, and working on in-class exercises are common examples.

Reflection (5%)

Your reflective journal is another way of demonstrating your engagement with course concepts and ideas. You will each keep a journal in your Sakai Drop Box, available only to you and me. Several (~10) times during the semester, I will give you prompts or questions to think about; you will then write a paragraph or two about your reflections. Of course, you are welcome to record your reflections about other course topics as well.