

Health Informatics Seminar Series (CHIP 770-002)
Fall 2023
University of North Carolina at Chapel Hill

Day/Time:

Wednesdays, 4:00-5:00 PM

Location:

This course will be held remotely. The first lecture will be via Zoom and the remaining lectures will be via the [Duke Informatics Zoom Platform](#).

Seminars are all live online and recorded for later viewing.

Course Instructor:



Ashlyn Zebrowski, MS
Adjunct Instructor, SILS
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Get Connected!

One of the best ways to develop or advance your career and set yourself up for success in today's job market is to create and maintain your profile on [LinkedIn](#). I highly suggest that each student develop and update their professional profile on LinkedIn as many organizations and recruiters use it when filling job openings. LinkedIn can help you build a virtual network and easily stay connected.

Feel free to connect with me on LinkedIn: [Ashlyn Zebrowski – LinkedIn Profile](#)

Office Hours:

Online by appointment, please email to schedule.

Course Websites:

1. [Canvas](#)
2. [Duke Informatics Seminars](#)
3. [Zoom Seminar Link](#)

Course Schedule:

The first class on August 23, 2023 will be held over Zoom and will be recorded.

Join Zoom Meeting

<https://unc.zoom.us/j/96908705827?pwd=NGVklL2JIMlPQjBOOWthNGlkMXNOZz09>

Meeting ID: 969 0870 5827

Passcode: 758150

Seminars begin on August 30th, 2023 and are scheduled on Wednesdays at 4PM ET.

Join at this meeting link:

<https://duke.zoom.us/j/92005527024?pwd=azFIZmlNdVJiOVVjN0djNWRiT0wzdz09>

Meeting number (access code): 920 0552 7024

Meeting password: 128631

Target Audience:

Students in programs at the master's, doctoral, and post-baccalaureate certificate level interested in health informatics practice and research. Higher level undergraduate students admitted upon departmental approval.

Prerequisites:

Admission to a post-baccalaureate certificate or graduate program in a health informatics-related field (e.g., Information and Library Science, Medicine, Nursing, Pharmacy, Public Health), or with instructor permission.

Course Description:

The course focuses on developing an understanding of current and future directions for the use of information technology to improve the health and health care of patients in the U.S. health system and beyond. Students in this course participate in the [Joint Health Informatics Seminar Presentation Series](#), which is sponsored by Duke Center for Health Informatics, the Carolina Health Informatics Program (CHIP), NCCU, UNC-Charlotte, ECU, and Wake Forest. This series explores key areas in Health Informatics and includes research results, overview of programs of research (both basic and applied), and evaluative projects. Speakers with extensive informatics experience and knowledge from both academia and industry present their work and engage in scholarly discussions during a question-and-answer period.

Informatic Seminars:

Current and past seminar talks are available at: <https://medschool.duke.edu/education/health-professions-education-programs/duke-center-health-informatics/informatics-research>

If you are interested in earlier seminars, look for the menu item, “Informatics Research Seminars” and the link to “Previous Informatics Research Seminars.”

Course Goals and Key Learning Objectives:

The goal of this course is to introduce students to ongoing cutting-edge research, development, and innovations in health informatics and to add to their basic understanding of the area. At the completion of this course, students will be able to:

- Describe current research initiatives in health informatics.
- Understand the challenges involved in applying health information technology in health care settings.
- Discuss key aspects of successful health informatics implementations.
- Ability to disseminate information and concisely articulate key takeaways.

Course Assignments:

Introductory Post (10%): Students will create a video of less than 3 minutes (preferred) or a Discussion post of less than 200 words introducing themselves to the class. Students will respond, substantively, to 2 other students’ introductory posts. (8% for intro, 2% for responses). Posts are due on **August 30th, 2023** and comments are due on **September 6th, 2023**.

Seminar Summary Paragraphs (60%): Students are strongly encouraged to attend the live-stream seminar sessions because that is the only opportunity to pose questions to the presenters. Nevertheless, it is acceptable to view the recorded session later. Because these are hosted by Duke University, they will be streamed via Zoom, so check your connections and configuration in advance.

Students will choose 6 seminars that are of greatest interest and write a post in the Forum in plain language of up to 200 words, summarizing what you found interesting about the seminar and why it is of interest to you. Assume that your audience is not an expert in health informatics, so briefly explain any technical points.

Post paragraphs as replies in the Discussions section under the appropriate week on Canvas. These posts should reflect your enthusiasm for health informatics and show that you can communicate both technical information and your enthusiasm to an audience without health informatics experience.

The learning goal for this assignment is to be able to provide concise, executive level summaries of topics. This is an important skillset to practice for any future career path.

Seminar summary paragraphs will be due one week (7 days) after the seminar. Seminar summary paragraphs posted to Discussions after one week may receive up to 50% credit. Do not wait until the end of the semester to fulfill this assignment. *The Discussions will open on the day of the seminar and will remain open for only two weeks (14 days).*

Seminar Discussion Comments (15%): Post a concise, respectful and thoughtful comment of up to 100 words on one other student’s paragraph *each week* during the semester. In the response, state what you found interesting about the student’s post and why you resonate with what the student wrote. Feel free to pose questions that were not asked during the presentation or to add additional discussion points. Other students may respond to those posted questions and comments. Additionally, you may post more than one comment and continue to converse with students in the Discussion thread.

Seminar discussion comments will be due two weeks after the seminar. Do not wait until the end of the semester to fulfill this assignment. *The Discussions will open on the day of the seminar and will remain open for only two weeks (14 days)*

Personal Statement (15%): Write a personal statement of up to 300 words that describes your future area of study or career plans and how this seminar series influenced you. Due by 5pm ET on Wednesday, November 29, 2023.

Evaluation of Student Performance and Grading Scale

Students will be evaluated for course grades as follows:

Item	Weighting (% Grade)	Description
Introductory Posts	10%	Introductory posts (video or text) (8%) with two responses of substance to other student’s posts (2%).
Seminar Paragraphs	60%	6 lecture paragraph posts to the Discussions
Seminar Discussion	15%	12 posts in the Discussions offering concise comments on one other student’s seminar paragraph
Personal Statement	15%	Submit a personal professional statement based on the seminars and discussions of the course
TOTAL	100%	

Grading Scales

Based on the current UNC grading scales, the following grades and corresponding numeric ranges are applicable.

Graduate Grading Scale		Undergraduate Grading Scale	
95-100	H	90-100	A
80-94	P	80-89	B
70-79	L	70-79	C
<69	F	60-69	D
		<60	F

Grading Rubric

Discussion Posts		Discussion Comments	
Clearly states what topic(s) the student found interesting	2	Clearly responds to the topic(s) the other student found interesting	0.5
Clearly states why the student found that topic interesting	2	Clearly states why the student resonates with that topic	0.5
Adheres to Word Limit <=225 - 2 points 226-250 - 1 point >251 – 0 points	2	Adheres to Word Limit <=125 – 0 points	.25
Uses plain language that a grad student in a different area would understand	2	Total Points	1.25
Well-Written Minimal typos, misspellings, grammar issues, incomplete sentences, etc.	1		
Communicated Enthusiasm	1		
Total Points	10		

ChatGPT Use

The use of ChatGPT or other AI tools by students for assignments in this course is strictly prohibited as it undermines the core objective of the assignments. The purpose of these assignments are to foster critical thinking, independent articulation of opinions, and active engagement with seminar learnings. Relying on AI-generated content would hinder students' ability to develop these essential skills and would not accurately reflect their own understanding and perspectives gained from the seminars. Any student who is found to have used ChatGPT or other AI tools will receive a zero for that assignment. Multiple indiscretions may result in more severe disciplinary actions.

Course Schedule

The schedule for course activities and assignments is as follows:

Week: Date	Speaker	Topic
Week 1: August 23, 2023	Introductory Class	Review Syllabus High level overview of Health Informatics Overview of Semester Topics
Week 2: August 30, 2023	Lori Orlando, MD, MHS (Duke) <i>(1) Introductory Videos/Posts are due</i>	"Getting Ready for the Genomic Era"
Week 3: September 6, 2023* University Wellness Day	Chris DeRienzo, MD, MPP (UNC-CH) <i>(2) Introduction Responses Due</i> <i>* You may watch the recorded version. Posts are due on 9/13</i>	"Table Stakes or Transformation?"
Week 4: September 13, 2023	TBD (UNC-C)	TBD
Week 5: September 20, 2023	Jonathan Livingston, PhD and Miicia Tedder, PhD (NCCU)	"Understanding Context: A Culturally Sensitive Approach to Treating in African American/Black Communities"
Week 6: September 27, 2023	Elijah Asagbra, PhD, MHA and Ashley Burch, PhD (ECU)	"Patent Portal Utilization: Understanding the Role of Technology Sophistication and Multimorbidity"
Week 7: October 4, 2023	Nicholas Pajewski, PhD (WFU)	TBD
Week 8: October 11, 2023	Ashley Ward, PhD (Duke)	TBD
Week 9: October 18, 2023	Yaomin Xu, PhD (UNC-CH)	"Interoperability and Reproducibility of Multimorbidities in EHRs: Pathways to Precision Medicine through Machine Learning and AI"
Week 10: October 25, 2023	TBD (UNC-C)	TBD
Week 11: November 1, 2023	LaShawn Wordlaw, PhD (NCCU)	"Student Health Research"
Week 12: November 8, 2023	Jina Huh-Yoo, PhD (ECU)	"Designing Conversational AI for Caregiving"
Week 13: November 15, 2023	Ajay Dharod, MD (WFU)	TBD
Week 14: November 22, 2023	No Seminar <i>(3) All Seminar Summaries due by 11:59pm ET</i>	
Week 15: November 29, 2023	No Seminar <i>(4) All Seminar Comments due 5pm ET</i> <i>(5) Student Personal Statements due 5pm ET</i>	

UNC Honor Code

As a condition of joining the Carolina community, Carolina students pledge “not to lie, cheat, or steal” and to hold themselves, as members of the Carolina community, to a high standard of academic and non-academic conduct while both on and off Carolina’s campus. This commitment to academic integrity, ethical behavior, personal responsibility and civil discourse exemplifies the “Carolina Way,” and this commitment is codified in both the University’s Honor Code and in other University student conduct-related policies. Your full participation and observance of the honor code is expected (honor.unc.edu).

Accessibility Resources and Services

The University of North Carolina at Chapel Hill facilitates the implementation of reasonable accommodations, including resources and services, for students with disabilities, chronic medical conditions, a temporary disability, or pregnancy complications resulting in barriers to fully accessing University courses, programs, and activities.

Accommodations are determined through the Office of Accessibility Resources and Service (ARS) for individuals with documented qualifying disabilities in accordance with applicable state and federal laws. See the ARS Website for contact information: <https://ars.unc.edu> or email ars@unc.edu. (source: <https://ars.unc.edu/faculty-staff/syllabus-statement>)

Counseling and Psychological Services

CAPS is strongly committed to addressing the mental health needs of a diverse student body through timely access to consultation and connection to clinically appropriate services, whether for short or long-term needs. Go to their website: <https://caps.unc.edu/> or visit their facilities on the third floor of the Campus Health Services building for a walk-in evaluation to learn more. (source: *Student Safety and Wellness Proposal for EPC, Sep 2018*)

Title IX Resources

Any student who is impacted by discrimination, harassment, interpersonal (relationship) violence, sexual violence, sexual exploitation, or stalking is encouraged to seek resources on campus or in the community. Reports can be made online to the EOC at <https://eoc.unc.edu/report-an-incident/>. Please contact the University’s Title IX Coordinator (Elizabeth Hall – titleixcoordinator@unc.edu), Report and Response Coordinators in the Equal Opportunity and Compliance Office (reportandresponse@unc.edu), Counseling and Psychological Services (confidential), or the Gender Violence Services Coordinators (gvsc@unc.edu; confidential) to discuss your specific needs. Additional resources are available at safe.unc.edu.

Policy on Non-Discrimination

The University is committed to providing an inclusive and welcoming environment for all members of our community and to ensuring that educational and employment decisions are based on individuals’ abilities and qualifications. Consistent with this principle and applicable laws, the University’s [Policy Statement on Non-Discrimination](#) offers access to its educational programs and activities as well as employment terms and conditions without respect to race,

color, gender, national origin, age, religion, creed, genetic information, disability, veteran's status, sexual orientation, gender identity or gender expression. Such a policy ensures that only relevant factors are considered, and that equitable and consistent standards of conduct and performance are applied.

If you are experiencing harassment or discrimination, you can seek assistance and file a report through the Report and Response Coordinators (see contact info at safe.unc.edu) or the [Equal Opportunity and Compliance Office](#), or online to the EOC at <https://eoc.unc.edu/report-an-incident/>.