

**Health Informatics Seminar Series
(INLS 770)
Spring 2018
University of North Carolina at Chapel Hill**

Day/Time:

Wednesdays, 4:00-5:00 PM

Location:

227 Health Sciences Library

Faculty:

Brian Moynihan, MBA | MSIS | MA

Head of Health Technology and Informatics, [UNC Health Sciences Library](#)

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539 Health Sciences Library

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Get Connected!

I feel that it is very important for informatics students to have a profile on LinkedIn that they keep at least minimally active. Please connect to me and to CHIP – it can have an immeasurable positive effect on your career in terms of hiring and building your professional network, now and for years to come. You can also put your final project slides up on your profile too.

[Brian on LinkedIn](#)

[CHIP on LinkedIn](#)

Office Hours:

By appointment

Course Website (on Sakai):

<https://sakai.unc.edu/portal/site/2346216e-932a-4007-86c2-560d07512316>

Target Audience:

Students in programs at the master's, doctoral, and post-baccalaureate certificate level interested in health informatics practice and research.

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 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 cared for in the U.S. health system. 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, and ECU. 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.

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 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.

Course Requirements

Seminars: The course sessions are available to live-stream as well as watching in person. Students are **required to attend in-person for the 3 lectures scheduled at UNC, as well as any additional course sessions for the class such as the interactive session on March 7th and final presentation sessions at the end of the course.** (See parts of schedule below highlighted in blue). Attendance will be taken at UNC by the instructor.

After the seminar, students will prepare a 3-5 paragraph summary of the presentation which will include a question that arose from the talk. **Students are expected to write up 10 (of 12) seminars during the semester.** *Students will submit the summaries via the course website by 4 pm the following Wednesday. Late assignments will have point(s) deducted.*

Introductory Video: Students will create a video introducing themselves to the class, and to respond to other students' introductory posts. See "Introductions" link on the sidebar of the Sakai site for more information.

Informational Interview*: Students will have a one-hour informational interview with someone working in a field related to health informatics, preferably in an area closely linked to the student's future area of study. After the interview, students will compose a 2-page summary of the experience including background and lessons learned. These interviews will be shared on the course forum.

(Alternative assignment: if you have already taken this seminar before and would prefer to have an optional assignment to replace the informational interview, please speak with the instructor.)*

For more information regarding informational interviewing, see these links:

<https://careers.unc.edu/videos/informational-interviewing-0>

<https://careers.unc.edu/students/exploring-majors-and-careers/informational-interviewing>

Presentation: Students will select a health informatics topic that relates to their area(s) of interest and synthesize the knowledge gleaned from the seminar presentations into a presentation which summarizes their key concepts and issues, as well as their personal reflections on the topic. Because this course is about your career and interests, you are highly encouraged to pick an area that will be useful to you in your career.

Each student will present their slide presentation to the class during a final in-class meeting of all enrolled students. Students will also prepare a list of at least 5 scholarly articles on the presentation topic, and will submit the presentation slides and reference list via the course website.

The final presentation times will be determined during the first two weeks of class. Based on class size, we may need to have two 1.5-hour sessions available for those presentations.

You can find examples of previous presentations here: <http://chip.unc.edu/seminar-presentations/>
 Students will have their presentations shared on the CHIP site unless they request otherwise, and we strongly encourage you to post the Slideshare version of your presentation to your LinkedIn profile to showcase your work!

Recommended Readings and Related Websites

Students are encouraged to explore health informatics topics for the class presentation requirement, and based on topics of interest that are presented in the seminar series. There are no required texts or readings, but good sources of health informatics literature are listed here.

List of Informatics Seminar with abstracts and videos, 2009-Present

Current and past seminar talks: <http://www.dukeinformatics.org/education/informatics-seminars/>

In the navigation menu, you can hover over Informatics Research Seminars in the navigation bar to see archives from previous years.

Health Informatics Journals

- Journal of the American Medical Informatics Association
- AMIA Annual Symposium Proceedings
- Applied Clinical Informatics
- BMC Medical Informatics and Decision Making
- Journal of Biomedical Informatics
- Computers, Informatics, Nursing
- JMIR Medical Informatics

Non-required Reference

Electronic Health Records: A Guide for Clinicians and Administrators (EHR-1). Jerome H. Carter (Ed.), American College of Physicians; 2nd edition, 2008.

Evaluation of Student Performance and Grading Scale

Students will be evaluated for course grades as follows:

Item	Maximum Points (% Grade)	Description
Introductory Videos – Introduce yourself	2	Introductory video, and responses to other students’ videos
Attendance at required UNC-based seminars	10	Attending the 2 lectures at UNC in person, as well as interactive session on November 15 th , and the two final presentation sections. See events in blue on schedule below.

Seminar write-ups	20	10 lecture write-ups (2 points each)
Informational Interview (or alternative, see above)	18	Interview someone working in the field, with 2 page summary.
Final Presentation	50	In-class presentation, with slides and references
TOTAL	100	

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

Graduate Students

Grad Grade	Range
H	95-100
P	80-94
L	70-79
F	69 or below

The schedule for submission of assignments is as follows:

Assignment	Due Date
<p>Introduction Videos</p> <ul style="list-style-type: none"> • <u>Introduce yourself</u> – make a video introducing yourself • <u>Response to introductions</u> – respond to other student videos by using the response icons (heart, smiley, etc.) to give them positive feedback. 	<p>Introduce Yourself – Jan. 12</p> <p>Response to Introductions – Jan. 17</p>
<p>Informatics Research Seminars (See schedule on last page of syllabus)</p> <ul style="list-style-type: none"> • <u>Attend Seminars</u>- there are 11 scheduled seminars, and in-person attendance is required for all of the sessions taking place at UNC (see events in blue on schedule below) See list of all talks and their details below. • <u>Summary</u>- 1-2 paragraph summary of seminar, including question that arises from presentation. Due no later than 4 pm one week after seminar presentation. 2 points each. Submit via Sakai Assignments tab. 	<p><u>Summary</u>: due by 4 pm one week after seminar (which is generally the time the next seminar begins)</p>

<p>Informational Interview</p> <ul style="list-style-type: none"> Reach out to someone working in a role related to course topics and hold a one-hour informational interview asking them about their work, important industry trends, and topics of interest to your future professional career. Write up 2 page summary of the experience including background and lessons learned. 	<p>Due by Mar 21st</p>
<p>Final Presentations for Health Informatics Seminar</p> <ul style="list-style-type: none"> Final presentation, Powerpoint slides Reference list 	<p><i>Presentations will be held on Apr. 25th and May 2nd. Exact times to be determined, likely either 3:30-5:00 or 4:00-5:30.</i></p> <p><i>Sign up for presentation slot when announced to class.</i></p>

Grading Criteria for Final Presentation

Possible Points	Criteria
5	Clear topic description
10	Highlights key observations and content from one or more seminars from this semester's Health Informatics Research Seminar series.
15	Presentation demonstrates <u>synthesis</u> and <u>evaluation</u> of seminar presentation and scientific literature; creates new and innovative ways of approaching health informatics problems or issues.
10	Presentation well-organized, content on slides conveyed clearly and concisely with attention to correct spelling, acronyms spelled out, limited use of jargon
5	Presentation delivery is strong (poise, eye contact, articulation, pacing, volume, professionalism)
5	Submitted reference list with at least 5 relevant, evidence-based papers from the scientific literature on the topic
50	Total Possible

Extra Credit:

Students who are dedicated to get high grade in the course and who are willing to do extra assignments can talk with the instructor. We can talk about possible ways to achieve that goal.

Health Informatics Seminar Series Schedule

<http://www.dukeinformatics.org/education/informatics-seminars/>

Spring 2018 Seminar Schedule

All seminars are held from 4:00-5:00 pm in HSL 227

Lecture	Site	Date	Speaker	Topic
		1/10/18	NO CLASS	
1	Duke	1/17/18	Merry Ward, PhD	Research and Innovation: Fulfilling EHR's Promise for Quality Care
2	UNC-CH	1/24/18	Manish Kumar, MPH, MS	Health Information System Improvement in Low and Middle-Income Countries
3	UNC-C	1/31/18	Reginald Silver, DPH, MBA Chandra Subramaniam, PhD, MBA & Antonis Stylianou, PhD, MBA	Patient Portal Usage: A Study of its Antecedents and Patient Outcomes
4	ECU	2/7/18	Xiaoming Zeng, PhD, Ray Hylock PhD	Patient-Centered Health Records and Exchange via Blockchain
5	NCCU	2/14/18	Noah Lenstra, PhD	Public Libraries as Partners in Healthy Communities
6	Duke	2/21/18	Megan Clowse, MD	The RISE Registry: How Compiling Clinical Data Might Improve Medical Care
7	UNC-CH	2/28/18	Brian P. Cooper, Jr, MHA	The North Carolina Statewide Telepsychiatry Program
	UNC-CH	3/7/18	Special Session	Class discussion at HSL 227
		3/14/18	NO CLASS - Spring Break	
8	UNC-C	3/21/18	Cristina Lanzas, PhD	Antimicrobial Resistance Surveillance: Data Mining and Knowledge Discovery
9	ECU	3/28/18	Jason Mose, PhD	The Association Between Hospital Meaningful Use Performance and Patient Experience, Hospital 30-Day Re-admissions
10	Duke	4/4/18	Greg Daniel, PhD, MPH, RPh	Real-World Evidence Systems
11	NCCU	4/11/18	Eunyoung Lee, PhD	Health Information Seeking on the Web: Theory and Research
12	UNC-CH	4/18/18	Kimberly Robasky, PhD	TBD
	UNC-CH	4/25/18	Final Presentations #1	
	UNC-CH	5/2/18	Final Presentations #2	