Health Informatics Seminar Series
(INLS 890)
Fall 2017
University of North Carolina at Chapel Hill

Day/Time:
Wednesdays, 4:00-5:00 PM

Location:
333 Health Sciences Library

Faculty:
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Office Hours:
By appointment

Course Website (on Sakai):
https://sakai.unc.edu/

Target Audience:
Students in programs at the doctoral and post-doctoral level interested in health informatics practice and research.

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

Course Description:
Brief description: The aim of the course is to introduce doctoral and postdoctoral level students to advanced research and critical research challenges in the biomedical and health informatics (BMHI) field. While the course is primarily focused on the United States, global health informatics will be included. Faculty in biomedical and health informatics based in UNC will be participating as guest lectures in the course. Students are expected to deepen their understanding of the (BMHI) field and also familiarize themselves with core faculty, various threads of research activities and the associated methods, and key resources at UNC to support advanced research in biomedical and health informatics.

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: Students are expected to **attend at least 6 of the scheduled presentations during the semester in-person, including the 2 lectures scheduled at UNC**. Attendance will be taken at UNC by the instructor.

After the seminar, students will prepare a 2-3 paragraph summary of the presentation which will include a question that arose from the talk. **Students are expected to write up 8 of the 10 seminars during the semester.** *Students will submit the summaries via the course website by 4pm the following Wednesday. Late assignments will have point(s) deducted*.

Discussion Forum: Students will complete two assignments on the course's discussion forum on Sakai, an introductory post, and responses to two other students' introductory posts.

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.

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. Each student will present their slide presentation to the class during a final in-class meeting of all enrolled students. The final presentation date will be determined during the first two weeks of class. 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.

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 presentations: http: //www.dukeinformatics.org/education/informatics-seminars/
In the navigation menu, you can hover over Education > Informatics Research Seminars 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
Forum Post – Introduce yourself	2	1 post on Sakai forum introducing yourself to the class
Forum Post – Response to introductions	2	At least 2 replies to other student introductions on Sakai forum
Attendance at seminars	12	6 lectures attended in person, including 2 UNC lectures (2 points each)
Seminar write-ups	24	8 lecture write-ups (3 points each)
Informational Interview	15	Interview someone working in the field, with 2 page summary
Final Presentation	45	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 for 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
Forum Posts Introduce yourself – write a post on the Sakai Discussion Forum Response to introductions – write at least 2 replies to other student introductions on the Sakai Discussion Forum	Introduce Yourself – Sept 1 Response to Introductions – Sept 8
Informatics Research Seminars (See schedule on last page of syllabus) Attend Seminars- at least 6 of the 10 scheduled seminars in person, including both of the talks taking place at UNC (Sept. 7 & Sept. 28) See list of all talks and their details below. Summary- 1-2 paragraph summary of seminar, including question that arises from presentation. Due no later than 4pm one week after seminar presentation. 2 points each. Submit via Sakai Assignments tab.	Summary: due by 4pm one week after seminar
Informational Interview 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.	Due by Nov. 15th
Final Presentations on Health Informatics – November 30 Final presentation, PowerPoint slides Reference list	*Sign up for presentation slot when announced to class.*

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 synthesis and evaluation 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	Submitted reference list with at least 5 relevant, evidence-based papers from the scientific literature on the topic
45	**Total Possible**

Health Informatics Seminar Series Schedule

Fall 2017 Seminar Schedule

All seminars are held from 4:00-5:00 pm in HSL 333

Date	Speaker
Aug. 23	Sam Cykert
Aug. 30	Carlton Moore
Sept. 6	David H. Gotz
Sept. 13	Chris Shea
Sept. 20	Lukasz M Mazur
Sept. 27	Di Wu
Oct. 4	Shahriar Nirjon
Oct. 11	Stacie Dusetzina
Oct. 18	Fei Yu
Oct. 25	Lisa Vizer
Nov. 1	Rebecca Kitzmiller
Nov. 8	Leah M Frerichs
Nov. 15	Kimberly Ann Shoenbill
Nov. 22	No Class
Nov. 29	Saif Khairat
Dec. 6	Class Members