Course Information

Course Number/Section  HCIP 6380
Course Title            Introduction to Healthcare
Term                   Informatics Fall 2020
Level                   Graduate Level, 3 semester hours

Professor Contact Information

Professor  Shi Chen, PHD
Phone       704.687.0497
Email Address  schen56@uncc.edu
Office Hours  By prior appt. and email at other times

Course Description

Informatics provides a framework to understand the use of information in healthcare organizations, impact internal and external decisions, evaluate specific strategies, understand industry changes, and understand the ramifications of health data standards and privacy concerns.

By the end of the course, you should be able to:

- Explain the key information requirements for effective health information exchange and management within and beyond a specific healthcare facility
- Summarize key inputs and outputs of electronic health record system especially clinical decision support system
- Develop conceptual health information solution for clinical purpose in relevant to the need of Charlotte/Mecklenburg County
- Develop conceptual health information solution for educational purpose in relevant to the need of Charlotte/Mecklenburg County
- Develop conceptual health information solution for research purpose in relevant to the need of Charlotte/Mecklenburg County
- Integrate current advancement of related fields to enhance health information exchange

Prerequisites

You are expected to complete the Health Informatics Vocabulary Training on Canvas before taking this course. Familiarity with the US healthcare system, Internet, electronic health record (EHR) system is desired but not required.

Required Materials

You can purchase it either from University Library or online at:
https://www.informaticseducation.org/health-informatics (Links to an external site.)

Other required materials (e.g., journal articles, news articles, online videos) will be provided as external weblinks in corresponding modules.

**MPH Population Health Analytics Competencies**

The competency assessed in this course is as follows:

Use data visualization tools to enhance presentations to stakeholders.

**Course Policies**

- *Make-up exams*: None
- *Extra Credit*: None
- *Late Work*: Not allowed unless it is a medical emergency.
- *Special Assignments*: None

**Class Participation**

Students are **required** to login regularly to the Canvas site. Students are also required to participate in all class activities such as classroom case discussions, and group projects.

**Grading Criteria**

<table>
<thead>
<tr>
<th>Element</th>
<th>Point Value</th>
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</thead>
<tbody>
<tr>
<td>Quizzes (8 total)</td>
<td>80</td>
</tr>
<tr>
<td>Mobile app review assignment</td>
<td>20</td>
</tr>
<tr>
<td>Discussion (10 total)</td>
<td>100</td>
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<tr>
<td>Final group project</td>
<td>100</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>300</strong></td>
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</tbody>
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**Grading Scale**

- **A**: 270-300
- **B**: 240-270
- **C**: 210-240
- **D**: 180-210
- **F**: <180
**Required Assignments and Feedback**

The quizzes and discussions will be graded within 48 hours of assignment due and you will be provided with written comments on the short essay questions on the quizzes. App evaluation and final project report will be graded within 5 days of assignment due.

**Revisions on Assignments**

Revisions of all assignments is NOT allowed once submitted.

**About the Final Group Project**

Your final group project will be further divided into the following smaller tasks:

- **Form your group (due on 10/11)** 5pts
- **Select a topic for final project (due on 11/1)** 5pts
- **Develop a white paper about your project (due on 11/15)** 10pts
- **Retrieve evidence-based medicine journal articles for your project (due on 11/22)** 10pts
- **Develop the executive report of your project (due on 12/6)** 20pts
- **Develop the final project report (due on 12/12)** 50pts
- **Provide peer group evaluation (due on 12/12)** extra 1 to 2pts for top contributors in the group

**Late-Work Policy**

Assigned work is due on the day indicated in the schedule. Work submitted 48-hour late will receive an automatic 10% deduction. Work submitted more than 48-hour late will receive an automatic 30% deduction unless prior arrangements have been made to turn the work in late.
University Policies

Code of Student Responsibility: “The UNC Charlotte Code of Student Responsibility (the Code) sets forth certain rights and responsibilities in matters of student discipline. The Code defines these responsibilities and guarantees you certain rights that ensure your protection from unjust imposition of disciplinary penalties. You should familiarize yourself with the provisions and procedures of the Code” (Introductory statement from the UNC Charlotte brochure about the Code of Student Responsibility). The entire document may be found at this internet address: http://legal.uncc.edu/policies/up-406

Academic Integrity: Violations of the Code of Student Academic Integrity, including plagiarism, will result in disciplinary action as provided in the Code. Students are expected to submit their own work, either as individuals or contributors to a group assignment. Definitions and examples of plagiarism and other violations are set forth in the Code. The Code is available from the Dean of Students Office or online at: http://legal.uncc.edu/policies/up-407

Faculty may ask students to produce identification at examinations and may require students to demonstrate that graded assignments completed outside of class are their own work.

Course Credit Workload: This 3-credit graduate course requires 3 hours of classroom or direct faculty instruction and 6 hours of out-of-class student work each week for approximately 15 weeks. Out-of-class work may include but is not limited to: required reading, library research, written assignments, and studying for quizzes and exams.

Special Needs: If you have a documented disability and require accommodation in this course, contact Disability Services, Fretwell 230, phone: 687 4355 voice/TDD) the first week of the semester. Information about available services may be found at http://legal.uncc.edu/policies/up-501. Accommodations for learning will be arranged by that office and communicated to the Instructor. If you speak English as a second language, please inform the instructor.

Diversity Statement: UNC Charlotte strives to create an academic climate in which the dignity of all individuals is respected and maintained. Therefore, we celebrate diversity that includes, but is not limited to ability/disability, age, culture, ethnicity, gender, language, race, religion, sexual orientation, and socio-economic status.

All students are required to abide by the UNC Charlotte Sexual Harassment Policy (http://legal.uncc.edu/policies/up-502) and the policy on Responsible Use of University Computing and Electronic Communication Resources (http://legal.uncc.edu/policies/up-307). Sexual harassment, as defined in the UNC Charlotte Sexual Harassment Policy, is prohibited, even when carried out through computers or other electronic communications systems, including course-based chat rooms or message boards.

Religious Accommodation: It is the obligation of students to provide faculty with reasonable notice of the dates of religious observances on which they will be absent by submitting a Request for Religious Accommodation Form to their instructor prior to the census date for enrollment for a given semester http://legal.uncc.edu/policies/up-409. The census date for each semester (typically the tenth day of instruction) can be found in UNC Charlotte’s Academic Calendar (http://registrar.uncc.edu/calendars/calendar.htm).

Syllabus Revision: The instructor reserves the right to alter this syllabus based on best practices that fit changing circumstances.