Syllabus

Course Number: HCI650
Course Title: Health Care Informatics and Information Management

Course Description:
Introduces foundational knowledge and skills to participate in the design, selection, implementation and use of clinical and administrative information systems. Familiarizes the student with new and emerging technologies in the health care field and includes concepts and principles of health care informatics in the health professions and health care delivery systems.

Prerequisite Courses:
None

Course Overview
Key concepts to be covered in this course include:

- Fundamental concepts of Health Informatics
- Inpatient, outpatient clinical systems
- Electronic clinical documentation
- Clinical decision support
- Sociotechnical approaches in care delivery
- Consumer health informatics
- Health system interoperability
- Telehealth, mobile health, and health apps
Course Outcomes:
Upon completion of this course, learners should be able to:

1. Describe and evaluate key service types and components of healthcare delivery.
2. Evaluate how health information systems support the components of healthcare delivery.
3. Create strategies to support health care system integration objectives, and advancing system interoperability.
4. Interpret fundamental changes driving clinical integration and benefits of those to patient-centered care delivery.
5. Apply care delivery transformation terminologies.

UNDERGRADUATE COURSE OUTCOMES (When cross-listed as HIM 450)

1. Describe key service types and components of healthcare delivery.
2. Explain how health information systems support the components of healthcare delivery.
3. Analyze key objectives of health care system integration and advancing system interoperability.
4. Describe industry trends that drive clinical integration and improving patient-centered care delivery.
5. Apply care delivery transformation terminologies.
6. Understand key technology innovations accelerating care delivery redesign.

Course Materials:

NOTE! Graduate and undergraduate students will use the same textbook, however, the articles assigned may differ under the weekly assignments. Please carefully read required readings under each week’s assignments.
**Required Texts:**

**Articles**


2. Comprehensive Primary Care Plus: America’s Largest-Ever Multi-Payer Initiative to Improve Primary Care  


5. Health IT, EHR incentive, what is meaningful use, 2014  
   https://www.healthit.gov/providers-professionals/ehr-incentives-certification


Technology Tools:

Install Zoom and create a user account.

Pre-Assignment:

Online Format: Sign on to D2L (Home Page) and become familiar with the course navigation of the Web Curriculum. Read Chapter One of text.

Classroom-based Format: Read Chapter One of text. Instructor will make assignments.

(Syllabus Author: include the first class assignment here).

Pre-Assignment Due Dates:

Classroom-based Format: This assignment is due the first night of class.

Online Format: The instructor will specify the due date for this assignment.

Course Assignments and Activities:

(Syllabus Author: fill in Week, Topics, Readings, Activities, Assignments Due, and Points or % of Grade)

<table>
<thead>
<tr>
<th>Topics</th>
<th>Readings</th>
<th>Activities Assignments and Associated Points</th>
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| 1 Zoom Discussion     | See Discussion Topics on Week Three and Week Six.| Make a 15 minute appointment on Week Three, and Week Six, Monday – Thursday, with course instructor. Discuss topics as assigned on those weeks.
| 2 Assignment One      | See Topic under Assignments.                     | 20 points each, 40 points total, 20% of Final Grade |
| 3 Assignment Two      | See Topic under Assignments.                     | 20 points each, 40 points total, 20% of Final Grade |
| 4 Weekly Discussions  | Weeks 1,2,4,5,7,8                                 | 10 points each, 60 points total, 30% of Final Grade |
| 5 Final paper         | See Topic under Assignments.                     | 60 points total, 30% of Final Grade |
| 6 Total               |                                                  | 200 points, 100 %                             |
CC&IS Grading Scale

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<thead>
<tr>
<th>Letter Grade</th>
<th>Percentage</th>
<th>Grade Point</th>
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<tbody>
<tr>
<td>A</td>
<td>93 to 100</td>
<td>4.00</td>
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<tr>
<td>A–</td>
<td>90 to less than 93</td>
<td>3.67</td>
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<tr>
<td>B+</td>
<td>87 to less than 90</td>
<td>3.33</td>
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<tr>
<td>B</td>
<td>83 to less than 87</td>
<td>3.00</td>
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<tr>
<td>B–</td>
<td>80 to less than 83</td>
<td>2.67</td>
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<tr>
<td>C+</td>
<td>77 to less than 80</td>
<td>2.33</td>
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<tr>
<td>C</td>
<td>73 to less than 77</td>
<td>2.00</td>
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<tr>
<td>C–</td>
<td>70 to less than 73</td>
<td>1.67</td>
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<tr>
<td>D+</td>
<td>67 to less than 70</td>
<td>1.33</td>
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<td>F</td>
<td>Less than 60</td>
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Additional information about grading can be found in the latest edition of the University Catalog, available at [http://www.regis.edu/Academics/Course%20Catalog.aspx](http://www.regis.edu/Academics/Course%20Catalog.aspx).

CC&IS Policies and Procedures

Each of the following CC&IS Policies & Procedures is incorporated here by reference. Students are expected to review this information each term, and agree to the policies and procedures as identified here and specified in the latest edition of the University Catalog, available at [http://www.regis.edu/Academics/Course%20Catalog.aspx](http://www.regis.edu/Academics/Course%20Catalog.aspx) or at the link provided.

- The CC&IS Academic Integrity Policy.
- The Student Honor Code and Student Standards of Conduct.
- Incomplete Grade Policy, Pass / No Pass Grades, Grade Reports.
- The Information Privacy policy and FERPA. For more information regarding FERPA, visit the [U.S. Department of Education](http://www.ed.gov).
- The HIPAA policies for protected health information. The complete Regis University HIPAA Privacy & Security policy can be found here: [http://www.regis.edu/About-Regis-University/University-Offices-and-Services/Auxiliary-Business/HIPAA.aspx](http://www.regis.edu/About-Regis-University/University-Offices-and-Services/Auxiliary-Business/HIPAA.aspx).
The CC&IS Policies & Procedures Syllabus Addendum summarizes additional important policies including, Diversity, Equal Access, Disability Services, and Attendance & Participation that apply to every course offered by the College of Computer & Information Sciences at Regis University. A copy of the CC&IS Policies & Procedures Syllabus Addendum can be found here: https://in2.regis.edu/sites/ccis/policies/Repository/CCIS%20Syllabus%20Addendum.docx.