HCA450 Health Care Information Management
Spring 2017 Syllabus

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Office Hours:  Tuesdays, 5-6 pm
Class Time:  Tuesdays, 6-9:35 pm
Location:  Main, Room 309

Texts:
Health Informatics: A Systems Perspective by Gordon Brown, Timothy B Patrick, and Kaylan Pasupathy

Course Description:
This course examines information systems as they relate to health care. Students will analyze information systems in clinical management, administration, education and research. The course emphasizes definitions, theory, technologies, workflow and expectations. Prerequisites: BUS101 and HCA150

Student Learning Objectives:
Upon successful completion of this course, students will possess knowledge and understanding of:
1. Develop a working knowledge of the kinds of information health organizations collect, use and maintain.
2. Demonstrate a reading and speaking vocabulary of information system terminology, and of health information standards and regulations.
3. Understand the history, current types and status of today’s health information systems.
4. Develop criteria for evaluating information system applications relating to health care information systems.
5. Analyze current health care information systems.
6. Examine national initiatives relating to health care information systems.
7. Discuss legal and ethical issues in using, designing, and managing health care information systems.
8. Relate data theory to decisions regarding collection of information in health care.

Students’ achievement of learning objectives 1-9 will be assessed primarily though evaluation of their performance on assignments and examinations (see below). LMS participation will be graded based upon quality and quantity of your posts. They will be graded at random times throughout the semester.

Class Schedule and Grading:

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Dates</th>
<th>Weights</th>
<th>Objectives Assessed</th>
<th>Grade</th>
<th>Percent</th>
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<tbody>
<tr>
<td>Discussions</td>
<td>Weekly</td>
<td>15%</td>
<td>1-10</td>
<td>A</td>
<td>≥93%</td>
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<tr>
<td>Analysis</td>
<td>April</td>
<td>50%</td>
<td>1-10</td>
<td>AB</td>
<td>≥88%</td>
</tr>
<tr>
<td>Project</td>
<td>18/25</td>
<td>50%</td>
<td>1-10</td>
<td>B</td>
<td>≥82%</td>
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<tr>
<td>Final Exam</td>
<td>May 9</td>
<td>35%</td>
<td>1-10</td>
<td>BC</td>
<td>≥78%</td>
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<td>C</td>
<td>≥72%</td>
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<td>≥65%</td>
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<td>F</td>
<td>&lt;65%</td>
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<tr>
<td>Date</td>
<td>Topic</td>
<td>Assignments</td>
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| Jan 24 | Introductions and Overview  
Chapter 1: Overview                                                      | Online Course Discussion  |
| Jan 31 | Chapter 2: Biomedical Vocabulary and Standards  
Chapter 3: Selection and Implementation of EMR Systems                  | Online Course Discussion  |
| Feb 7  | Chapter 4: Evidence-based Clinical Decision Making  
Chapter 5: Clinical Decision Support in Medicine                        | Online Course Discussion  |
| Feb 14 | Chapter 6: Clinical Decision Support in Nursing  
Chapter 7: The Coming of the Corporation                                | Online Course Discussion  |
| Feb 21 | Asynchronous Discussion and Project Work                              | Online Course Discussion  |
| Feb 28 | Chapter 8: Knowledge-based Clinical Decision Making  
Chapter 9: Predictive Analytics in Knowledge Management                 | Online Course Discussion  |
| Mar 7  | Process Improvement                                                   | Online Course Discussion  |
| Mar 14 | Spring Break                                                          |                           |
| Mar 21 | Chapter 10: Crucial Role of People and Information in Healthcare Organizations  
Team Dynamics  
Chapter 11: E-Health and Consumer Health Informatics                     | Online Course Discussion  |
| Mar 28 | Chapter 12: Genomic Medicine  
Chapter 13: Health Information Privacy and Security                      | Online Course Discussion  |
| Apr 4  | Chapter 14: Strategic Valuation of Enterprise Information Technology Architecture  
Chapter 15: Health Systems in the Information Age                         | Online Course Discussion  |
| Apr 11 | Project Discussion and Questions                                      | Online Course Discussion  |
| Apr 18 | Project Presentations                                                  | Online Course Discussion  |
| Apr 25 | Project Presentations                                                  | Online Course Discussion  |
| May 2  | General Questions, Discussions, and Review                             |                           |
| May 9  | Final Exam                                                             |                           |

**Policy Statements**

**Attendance Policy** – Students are expected to attend all classes and to be on time. If a student cannot attend a class or knows he or she will be tardy, please email or contact the instructor. If you are absent, it is your responsibility to cover the material you missed by reading, talking with classmates, or using other resources.

**Assignments** –

- All assignments must include the student’s name and be uploaded to the course documents section of the class eLearning site.
- No late assignments or exams will be accepted without prior approval. Make up exams can be given for a justifiable, documented reason.
- All assignments should be the work of each individual. Cheating occurs when a student either submits work that is not entirely from their own effort or allows others to use their work. Cheating occurs when a student submits work that is copied from another student or other source without proper credit. No student shall looks towards the work of any other student during quizzes or exams as it shall be construed as cheating. Please refer to the Carroll University Academic Integrity Policy located in your student handbook and familiarize yourself with it.
**Studying for Computer Science** – Understanding computer science requires consistent studying throughout the week and semester. Waiting until a few days before an exam to read the chapters and understand the concepts will cause extreme stress and anxiety, and you will find studying for the test to be a major learning curve. Read the chapters prior to coming to class, take notes during class, and then summarize the concepts within 24 hours after each class. Attempt to complete the review questions at the end of each chapter without your notes or referring back to the chapter. If you cannot complete the exercises without referring to your notes, then study the concepts again before proceeding with the exercises. Doing these steps will help your performance in class.

**Statement on Academic Integrity** – The Carroll University Academic Integrity Policy is located in your student handbook (https://my.carrollu.edu/ICS/Departments/Student_Affairs). I encourage you to familiarize yourself with it. If a student violates this policy in any way, I reserve the right to impose a sanction of failure on the assignment/assessment or failure in the course. If you have questions about appropriate citations, please ask.

**Accommodation for Disabilities** – Students with documented disabilities who may need accommodations, or any student considering obtaining documentation should make an appointment with Ms. Martha Bledsoe, Director of Services for Students with Disabilities, no later than the first week of class. She can be reached by calling 262-524-7335 or contacting her via email at mbledsoe@carrollu.edu.

**Modifications to the syllabus**: The instructor and the University reserve the right to modify, amend or change the syllabus (course requirements, grading policy, etc.) as the curriculum and/or program require(s).