Course syllabus: Healthcare Technology Management
Term: Spring 2014
Course & Section: 34161 -- 002 CRN: 21735
Class: No classes in classrooms; it is a 100% web based course
Instructor: Dr. Aviad Israeli
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Office and office hours: by appointment

Objective: This course is designed for students seeking to learn about the field of healthcare information systems. It covers the fundamentals of healthcare and healthcare IT (HIT), provides an overview of processes associated with healthcare delivery within provider organizations, demonstrates how HIT can improve population health, demonstrates how to build and implement HIT successfully and introduces the HIT decision support functions.

Prerequisites and Registration: Students have responsibility to ensure they are properly enrolled in classes. Should you find an error in your class schedule, you need to correct the error with your advising office no later than Sunday, January 26, 2014. If registration errors are not corrected by these dates and you continue to attend and participate in classes for which you are not officially enrolled, you are advised now that you will not receive a grade at the conclusion of the semester for any class in which you are not properly registered. Spring 2014 course withdrawal deadline is Sunday, March 23, 2014.

Required Text: Healthcare Information Systems reading packet (MIS 34161), ISBN: 9781121886261. Also available as an Ebook version ISBN: 9781121887190

Correspondence: Email communication will be through FlashLine email. Students are expected to check their email regularly. Course syllabus, announcements, class notes, chapter presentations, exams, grades and other course related material will be accessible through the Blackboard course site.

How to do well in this course? In this online class configuration, it is the responsibility of students to read chapters and take the online exams exactly on the required time frame. No departures from this rule will be allowed. Read the course chapter in advance (don't postpone studying, and then cram the night before the exam). Read and review the lecture notes more than once. Read/view the presentation summary and supplemental that the instructor put on the course site. Make sure that you take the exams on the time specified.

Evaluation: Grade will be based on 5 online exams. The exams are based on the weekly readings and they are conducted online using a standards compliant web browser (such as Google Chrome or Mozilla Firefox). The chapters assigned for each exam are listed on the course calendar. All online exams are open-book, open notes. Each exam will count for 25% of the final grade (total 125 points) and only the best 4 grades will be counted towards your final grade (total 100 points). This means that if you did not do well on one exam, it will be excluded from your final grade calculations. Each exam consists of 25 multiple choice questions and the time assigned is 50 minutes. The exams will be posted on the course Blackboard site each *Thursday noon* and until *Friday noon*. The exam can be taken from anywhere with access to the Web. You will have only one attempt to take each examination during the timeframe so make sure you have your schedule organized. Results for the examination will be available after the examination closes in the Blackboard course website. A score of 0 will be assigned to any missed examination.

All students are required to follow the Academic Honesty Statement.   This statement ensures that the student agrees to abide by university rules on cheating, and any failure to do so will result in a failing grade.   Thus, for example, while you are allowed to use books and notes for the tests, it is cheating if you ask other students to help you while taking the tests.   No grade change will be made on an individual basis because of questions misread or misunderstood.   Those who follow the text book and the class notes closely and regularly usually recognize the intent and scope of the questions, and do well on the exams.

Academic Honesty: Cheating means to misrepresent the source, nature, or other conditions of your academic work (e.g., tests, papers, projects, assignments) so as to get undeserved credit.   In addition, it is considered to cheating when one cooperates with someone else in any such misrepresentation.   The use of the intellectual property of others without giving them appropriate credit is a serious academic offense.   It is the University's policy that cheating or plagiarism result in receiving a failing grade for the work or course.   Repeat offenses result in dismissal from the University.

Grading: The grading scale is as follows:

Total percentage earned	Grade
≥ 92.5 points	A
≥89.5 points	A-
≥87 points	B+
≥82.5 points	B
≥80 points	B-
≥77.5 points	C+
≥72 points	C
≥68.5 points	D+
≥ 62points	D
Below 62 points	F

According to University Guidelines the grades are converted to your grade point average by the following rules:
A   = 4.0, A- = 3.7, B+ = 3.3, B   = 3.0, B- = 2.7, C+ = 2.3, C   = 2.0, C- = 1.7, D+ = 1.3, D   = 1.0, F   = 0.0

Students with Disabilities: University policy 3342-3-01.3 requires that students with disabilities be provided reasonable accommodations to ensure their equal access to course content. If you have a documented disability and require accommodations, please contact the instructor at the beginning of the semester to make arrangements for necessary adjustments for conducting the examinations. Please note, you must first verify your eligibility for these through Student Accessibility Services (contact 330-672-3391 or visit http://www.registrars.kent.edu/disability) for more information on registration procedures.

Course calendar:

Week starting on:	Read chapters:	Complete assignments:
January 13	- An Overview of Healthcare in the United States	
January 20	- The Role of Information Technology in Healthcare	
January 27	- Using Healthcare IT to Measure and Improve Outcomes - The Role of Healthcare IT in Improving Population Health	Exam 1 on the reading of January 13 and January 20 will be posted on Blackboard from Thursday January 30 at noon – Friday January 31 at noon.
February 3	- Strategic Leadership and Management of Health Information Technology in Provider Organizations	
February 10	- Communication Skills in Healthcare IT, Building Strong Teams for Successful Healthcare IT Outcomes	
February 24	- Healthcare Information Technology and Healthcare Policy	Exam 2 on the reading of January 27, February 3 and February 10 will be posted on Blackboard from Thursday February 27 at noon – Friday February 28 at noon.
March 3	- Navigating Health Data Standards and Interoperability - Regulatory Aspects of Healthcare IT: Legal Best Practices and Requirements	
March 10	- The Electronic Health Record as Evidence	
March 17	- Core HIT Functionality - Build- and Implementation-Related HIT Success Factors	Exam 3 on the reading of February 24, March 3 and March 10 will be posted on Blackboard from Thursday March 20 at noon – Friday March 21 at noon.
March 31	- Fundamentals of Clinical Decision Support	
April 7	- Organizational Success Factors in Healthcare Informatics Implementation	
April 14	- Healthcare Information Security: Operational Safeguards - Healthcare Cybersecurity Technology	Exam 4 on the reading of March 17, March 31 and April 7 will be posted on Blackboard from Thursday April 17 at noon – Friday April 18 at noon.

April 21	- Computer Hardware and Architecture for Healthcare IT - Programming and Programming Languages for Healthcare IT	
April 28	- Databases, Data Warehousing, and Data Mining for Healthcare	
Finals Week		Exam 5 on the reading of April 14, April 21 and April 28 will be posted on Blackboard from Thursday May 1 at noon – Friday May 2 at noon.