Course Overview

Instructor Information
Robert Kolodenko, MBA
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Lewis 1107 at Loop Campus
Chicago, IL 60604
Office Hours:
Wednesday 4:45pm-5:45pm, 9pm-9:30pm

HIT 430, Electronic Health Records
Winter 2018, 1/3/18 – 3/14/18
Wednesday 5:45pm – 9:00pm, Lewis – Room 1107

Catalog Description

Comprehensive overview of principles and practices of Electronic Health Records (EHR) management, including data standards and integration, interoperability and information exchange models, data security, and privacy.

Course Overview

This course is designed to be an introduction to all aspects of Electronic Health Records. This course will be surrounded by "real-world" use cases related to EHR's and go into the application and theory behind all aspects of Electronic Health Records. The course will work through a baseline understanding of EHR's and how they fit into the overall framework of a healthcare system. Students will be given the opportunity to dive into specific topics such as: EHR regulatory programs, clinical system design and usability, healthcare analytics, interoperability, population health systems, and revenue cycle system design. The course will be topped off with two real life case studies of business and hospitals going through EHR implementation.

Couse Objective

- Understand how an IT organization is setup to support Electronic Health Records.
- Have a sound understanding of what a clinical system and revenue cycle analyst does.
- Understand broader EHR trends such as: healthcare analytics, interoperability, and population health programs.
- Be able to apply methods learned from class directly to an EHR analyst role.

Required Material

- Case Study: Practice Fusion https://cb.hbsp.harvard.edu/cbmp/product/E589-PDF-ENG
- Case Study: Electronic Medical Record System Implementation at Stanford Hospital and Clinics https://cb.hbsp.harvard.edu/cbmp/product/OIT103-PDF-ENG

Optional Material

- Book: Healthcare Technology Innovation Adoption ISBN: 978-3319179742
- Book: Health Analytics: Gaining Insights to Transform Health Care ISBN: 978-1118383049
- Other materials will be posted on D2L

Grading Criteria

Students receiving more than 90% of possible points are guaranteed at least an A-, more than 80% at least a B-, more than 70% at least a C-, and more than 60% at least a D.

- 30% Midterm exam covering lectures
- 50% Final exam covering the lectures
- 15% Case study summary write ups
- 5% Meaningful use write up/analysis
- 5% (bonus) Healthcare Analytics write up/analysis

Assignments

- Case studies and write ups are due a week after assigned, prior to the beginning of the next class (for example, meaningful use analysis is assigned after class 2 (Jan 10) is due prior to class 3 (5:45pm CST) on Jan 17th). These assignments will be available via D2L and will be submitted there as well. Late assignments **will not** be accepted except for emergencies which are worked out on a case by case basis at the discretion of the instructor. You may use all resources to complete these assignments.

Instructor Expectations

- Professionalism is expected in the classroom. This includes: arriving on time to class, attend every class session, participate in discussions, stay engaged, show respect for others opinions and experiences.
- Please turn off or silence mobile devices prior to class.
- Reserve non-class related questions to before or after class, or utilize office hours or schedule a separate time to discuss.

School Policies

Tests can be made up with a serious documented excuse (e.g. illness, death in the family) and must be arranged as soon as possible. Arrangements involving other excuses require prior permission from the instructor.

Academic Integrity and Plagiarism

This course will be subject to the university's academic integrity policy. More information can be found at http://academicintegrity.depaul.edu/ If you have any questions be sure to consult with your professor.

Academic Policies

All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the University Academic Calendar. Information on enrollment, withdrawal, grading and incompletes can be found at http://www.cdm.depaul.edu/Current%20Students/Pages/PoliciesandProcedures.aspx.

Students with Disabilities

Students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential. To ensure that you receive the most appropriate accommodation based on your needs, contact the instructor as early as possible in the quarter (preferably within the first week of class), and make sure that you have contacted the Center for Students with Disabilities (CSD) at:
Lewis Center 1420, 25 East Jackson Blvd.
Phone number: (312)362-8002

Course Schedule

Class	Topic	Supplemental Material	Assignment	Grade %
Class 1 (Jan 3)	Syllabus and intro to EHR systems, markets, resources, and IT departments	Healthcare Technology Innovation Adoption		
Class 2 (Jan 10)	Meaningful Use / QPP	Healthcare Technology Innovation Adoption	Meaningful Use Analysis: Choose 2 improvement activities and explain how you think they'd work from an electronic health record perspective.	5%
Class 3 (Jan 17)	Clinical Systems			
Class 4 (Jan 24)	Clinical Systems			
Class 5 (Jan 31)	Midterm Exam	Study Guide		30%
Class 6 (Feb 7)	Access, Reg/Sch & Revenue Cycle Systems			
Class 7 (Feb 14)	Population Health			
Class 8 (Feb 21)	Interoperability, Data Standards, Healthcare Terminology			
Class 9 (Feb 28)	Healthcare Data & Analytics	Health Analytics: Gaining the Insights to Transform Health Care	Healthcare Analytics Analysis: How you would use data & analytics to improve the healthcare system	5% (bonus)
Class 10 (Mar 7)	Case Studies	Harvard Business Publishing: Practice Fusion, Stanford Implementation	Case Study Write-Up's	15%
Class 11 (Mar 14)	Final Exam	Study Guide		50%
Please note: This class may occasionally deviate from the course outline above. The instructor may make changes as needed to the course syllabus.				