INSTRUCTOR: Nader Mherabi  
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Days: Thursdays - September 5th, 2013 - October 17th, 2013  
Time: 6:45-8:25 pm  
Location: Goddard Hall, B06  
Prerequisites: P11.1833, Health Services Management, or permission from the instructor.  
Credits: 2 credits

This course is required of all health management specialization students.

COURSE DESCRIPTION

This course describes the growing involvement of government in stimulating and directing the development of information technology in healthcare organizations. Included is a discussion of attempts to exchange information for the purposes of improving the quality of personal healthcare and public health. Methods for determining the financial value of information technology are described. Techniques for insuring the security and privacy of health information are presented. How information systems and technology can improve the quality of service provided to consumers and the clinical quality of health care is examined.

RELATED HEALTH MANAGEMENT COMPETENCIES

Competencies - Course Focus

• The ability to use information systems and evidence-based management principles for problem-solving, strategic planning and decision-making and implementing and measuring change

Relevant Content for the following competencies is also included

• The ability to hold people accountable to standards of performance and/or ensure organizational, professional and ethical compliance
• The ability to measure, monitor and improve safety, quality, access and system/care delivery processes in health care organizations
• The ability to communicate and interact productively (via listening, speaking and writing) on matters of healthcare with a diverse and changing industry, work force and citizenry
• The ability to present convincingly to individuals and groups the evidence to support a point of view, position or recommendation
LEARNING OBJECTIVES

At the end of this course, students will be able to:

1. Describe the principal programs of the Federal government to encourage the adoption of information technology and data sharing among organizations;
2. Identify the obstacles to achieving the objectives of those programs and describe potential ways to reduce their impact;
3. Describe methods for sharing digital information among organizations and be able to state the obstacles to increased sharing as well as potential solutions;
4. Define the major risks to the security and privacy of information stored in computer-based information systems and identify measures for avoiding or reducing those risks;
5. Describe methods for determining the financial value of information systems and identify the strengths and weaknesses of those methods;
6. Identify information systems and technologies which could improve the satisfaction of consumers or the clinical quality of a health care service;

REQUIRED READINGS

All required readings are posted on NYU Classes or available on-line as indicated below.

OPTIONAL COURSE MATERIALS

Those of you who feel the need to learn about (or update your knowledge of) information systems topics not specific to health services should review a recent text. An example is:


Three excellent reference sources for a range of healthcare IT topics are:


INTERNET RESOURCES ON HEALTHCARE INFORMATION SYSTEMS

1. HIMSS Health IT Body of Knowledge
   http://www.himss.org/asp/topics_HITBOK.asp?src=winews20111116
2. Journals and newsletters:  
   *Health Data Management*  

   *iHealthBeat*  
   [http://www.ihealthbeat.org](http://www.ihealthbeat.org)

   A free daily email from the California Health Care Foundation.  
   [http://www.chcf.org](http://www.chcf.org)

3. Webopedia, an on-line dictionary for computer and Internet terms.  

4. TechEncyclopedia  

5. American Medical Informatics Association  

6. CMIO Magazine is aimed at Chief Medical Information Officers in healthcare organizations. A free newsletter is available.  

7. Leapfrog Group  
   [http://www.leapfroggroup.org](http://www.leapfroggroup.org)

8. Open Directory Project-Medical Informatics  
   [http://dmoz.org/Health/Medicine/Informatics](http://dmoz.org/Health/Medicine/Informatics)

9. HIStalk offers news and commentary on the healthcare information technology industry.  

10. Connected Health Initiative: focuses on extending the care community beyond the traditional walls of healthcare institutions by bringing healthcare to the everyday surroundings of the health consumer and their families.  
    [http://www.connected-health.org](http://www.connected-health.org)

11. Agency for Healthcare Research and Quality National Resource Center for Health Information Technology  
    [http://www.healthit.ahrq.gov](http://www.healthit.ahrq.gov)

12. Certification Commission for Healthcare Information Technology  

13. Software Advice - Medical Software. A vendor supported directory of medical software.  

14. HIMSS, “Economic Stimulus for the Healthcare IT Industry” (a list of links to resources)
ASSIGNMENTS AND GRADING

The assignments and due dates are:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Grade %</th>
<th>Date Distributed</th>
<th>Due Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class contribution and attendance</td>
<td>10%</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Memo assignments</td>
<td>20%</td>
<td>Dates distributed on September 5th</td>
<td>Two weeks later</td>
</tr>
<tr>
<td>In-class exam</td>
<td>70%</td>
<td>October 10th</td>
<td>October 17th</td>
</tr>
</tbody>
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IN-CLASS EXAM:

The purpose of this exam is to encourage you to have an overall understanding of the concepts being presented. Content from the PowerPoint presentations and handouts will be included. This includes those presentations given by the guest speakers. The exam will consist of short answer questions (e.g., fill in the blank or True/False) and will last 45 minutes beginning at 7:40 pm.

INCOMPLETES

See the Wagner School’s policy on Incomplete Grades at: [http://wagner.nyu.edu/students/policies/incompletes](http://wagner.nyu.edu/students/policies/incompletes)

STATEMENT OF ACADEMIC INTEGRITY

As members of the NYU Wagner community, we are all expected to adhere to high standards of intellectual and academic integrity. You can view our Academic Code at: [http://wagner.nyu.edu/current/policies](http://wagner.nyu.edu/current/policies). This is a good resource for issues of academic integrity, especially regarding writing.

COURSE OUTLINE & READING ASSIGNMENTS

See NYU Classes
September 5: Class 1: Introduction; Government Initiatives to Support Healthcare IT


Additional Resources/Optional Reading:

1. Office of the National Coordinator for Health Information Technology http://www.healthit.gov/


3. CMS Incentive Program Meaningful Use Stage 2 Website: http://cms.gov/Regulations-and-Guidance/Legislation/EHRIncentivePrograms/Stage_2.html


5. Thomas R. Frieden and Farzad Mostashari, “Health Care As If Health Mattered” JAMA 299:8 (February 27, 2008): 950-952. (BB)

September 12 Class 2: Integrating Health System with the Electronic Medical Record


Additional Resources/Optional Reading:
1. Gary Baldwin, “Measuring ROI” *Health Data Management* (June, 2009) Full-text at: 


**September 19 Class 3: Health Regulations, Meaningful Use and ICD-10 (Guest Speaker)**

1. See assignments under NYU Classes  
2. George C. Halvorson, “Health Care Will Not Reform Itself” (Kaiser)

**September 26 Class 4: Improving Healthcare Service Quality and Medication Delivery Through Information Technology**

   Resources to be updated as class progresses.

**October 3 Class 5: Integrating Healthcare System Through Technology: Federal and Local Initiatives (Guest Speaker)**

   Resources to be updated as class progresses.

**October 10 Class 6: HIPAA Security and Privacy (Guest Speaker)**  
*(Final Exam Distributed – Testing will take place on October 17th starting at 7:40pm)*

   Resources to be updated as class progresses.

**October 17 Class 7: Clinical Informatics (Guest Speaker)**

   Resources to be updated as class progresses.

**October 17 Final Exam starting at 7:40pm**