NEW YORK UNIVERSITY
WAGNER GRADUATE SCHOOL OF PUBLIC SERVICE
HEALTH POLICY AND MANAGEMENT PROGRAM

HPAM-GP 4822 - HEALTH INFORMATION TECHNOLOGY:
PUBLIC POLICY AND MANAGEMENT

Fall, 2012

Instructor: Roger Kropf, Ph.D.
212-998-7458 (office)
212-995-4162 (fax)
roger.kropf@nyu.edu
www.nyu.edu/classes/kropf

Day, Time and Location: Thursdays, 6:45-8:25 pm, Goddard Hall, B06
Prerequisites: P11.1833, Health Services Management, or HPAM-GP 4833 and 4834, or
permission of the instructor.
Credits: 2 credits
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 available via links on the course Blackboard website.

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: Kenneth C. Laudon and Jane P. Laudon, Management Information Systems, 12th Edition (Upper Saddle River, N.J.: Prentice Hall, 2011, http://www.prenhall.com/laudon/). The important thing is to find a very recent text, since this field changes rapidly.

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

INTERNET RESOURCES ON HEALTHCARE INFORMATION SYSTEMS

1. HIMSS Topics and Tools
   http://himss.org/ASP/topicsHome.asp
2. HIMSS Health IT Body of Knowledge
   http://www.himss.org/asp/topics_HITBOK.asp?src=winews20111116
2. Journals and newsletters:
   * Health Data Management
     http://www.healthdatamanagement.com/issues/
   * iHealthBeat
     http://www.ihealthbeat.org A free daily email from the California Health Care Foundation.
     http://www.chcf.org
3. Webopedia, an on-line dictionary for computer and Internet terms.
   http://www.webopedia.com/
4. TechEncyclopedia
   http://www.techweb.com/encyclopedia/
5. Kropf’s Favorite Links at www.nyu.edu/classes/kropf/favorite_links.htm
6. American Medical Informatics Association
   http://www.amia.org/
7. CMIO Magazine is aimed at Chief Medical Information Officers in healthcare organizations. A free newsletter is available. http://www.cmiomagazine.com/
8. Leapfrog Group
   http://www.leapfroggroup.org
9. Open Directory Project-Medical Informatics
   http://dmoz.org/Health/Medicine/Informatics
10. HIStalk offers news and commentary on the healthcare information technology industry.
    http://histalk2.com/
11. Connected Health Initiative
    http://www.connected-health.org
    The 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.
12. Agency for Healthcare Research and Quality National Resource Center for Health Information Technology
    http://www.healthit.ahrq.gov
13. Certification Commission for Healthcare Information Technology
    http://www.cchit.org/
    http://www.softwareadvice.com/medical/
15. HIMSS, “Economic Stimulus for the Healthcare IT Industry” (a list of links to resources)
    http://www.himss.org/EconomicStimulus/
16. American Telemedicine Association
    http://www.americantelemed.org
17. Pam Pohly's Net Guide.
    http://www.pohly.com/
18. Office of the National Coordinator for Health Information Technology
    http://healthit.hhs.gov
19. National eHealth Collaborative’s NeHC University is a web-based education program designed to provide stakeholders with timely and relevant information on health information technology and health information exchange in the United States. Some courses are free. http://www.nationalehealth.org/NeHCUniversity.aspx

20. Doctors Helping Doctors Transform Healthcare. “The mission of Doctors Helping Doctors Transform Health Care is to serve as a trusted resource for doctors who are contemplating or are in the midst of transforming their practices or institutions using health information technology to improve health and health care.”
http://doctorshelpingdoctorstransformhealthcare.org/

CIO Blogs

1. John D. Halamka, MD, MS, is Chief Information Officer of the CareGroup Health System in Boston http://geekdoctor.blogspot.com/

Wikis

2. Clinical Informatics Wiki http://clinfowiki.org

ASSIGNMENTS AND GRADING

The assignments and due dates are:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Percent of Grade</th>
<th>Date Distributed</th>
<th>Date Returned</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memo Assignment</td>
<td>20%</td>
<td>Dates distributed on 9/6/12</td>
<td>As assigned</td>
</tr>
<tr>
<td>Final Exam</td>
<td>80%</td>
<td>10/11/12</td>
<td>10/25/12</td>
</tr>
</tbody>
</table>

INCOMPLETES

See the Wagner School’s policy on Incomplete Grades at:
http://wagner.nyu.edu/current/policies/incompletes.php
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/. This is a good resource for issues of academic integrity, especially regarding writing.

COURSE OUTLINE & READING ASSIGNMENTS

September 6 Class 1: Introduction; Government Initiatives to Support Healthcare IT


Additional Resources/Optional Reading:

1. Office of the National Coordinator for Health Information Technology http://healthit.hhs.gov
2. The Official Web Site for the Medicare and Medicaid Electronic Health Records (EHR) Incentive Programs http://www.cms.gov/EHRIncentivePrograms/
3. CMS Incentive Program Meaningful Use Stage 2 Website: cms.gov/Regulations-and-Guidance/Legislation/EHRIncentivePrograms/Stage_2.html
4. HIMSS, “Economic Stimulus for the Healthcare IT Industry” (a list of links to resources) http://www.himss.org/EconomicStimulus/
September 13 Class 2: Integrating Health Systems Through Technology: Federal and Local Initiatives

5. Visit the websites of two local HIEs.
   • The New York Clinical Information Exchange (NYCLIX), Inc., is a RHIO for the New York Metro area
   • The Brooklyn Health Information Exchange (BHIX)
     http://www.bhix.org/index.html

Other Resources/Optional Reading:

1. HIMSS RHIO/Health Information Exchange Resources
   http://himss.org/ASP/topics_rhio.asp
4. N. Ferris, “Electronic Health Record Standards” Health Affairs/RWJF Health Policy Brief Series (Sep 28, 2010). Full-text at:
   http://www.rwjf.org/healthpolicy/product.jsp?id=70308

September 20 Class 3: HIPAA: Security And Privacy

2. Deborah Gage and Kim Nash, “Identity Theft: Providence Health’s Serious
Pain,” Baseline Magazine (December 6, 2006). Full-text available at: [http://www.baselinemag.com/article2/0,1540,2069952ddd,00.asp](http://www.baselinemag.com/article2/0,1540,2069952ddd,00.asp)


Additional Resources/Optional Reading:

1. HIMSS Privacy/Security/ resource
   [http://www.himss.org/asp/topics_privacy.asp](http://www.himss.org/asp/topics_privacy.asp)

2. HIMSS Privacy & Security Toolkit


**September 27  Class 4: Assessing Value Before Implementation**


Additional Resources/Optional Reading:


October 4  Class 5: Improving Healthcare Service Quality Through Technology


October 11  Class 6: Improving Clinical Quality Through Information Technology (Part I)

**Final Exam Distributed - Due October 25**


Additional Resources/Optional Reading:


October 18 Class 7: Improving Clinical Quality (Part II: Managing The Use of Drugs)


Additional Resources/Optional Reading:

Final Exam Due October 25. Give a paper copy to Prof. Kropf and submit a copy on Blackboard in the Assignments section.