

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

**HPAM-GP 4822 -HEALTH INFORMATION TECHNOLOGY FOR MANAGERS**

**Fall 2017**

**Instructor:** Amit Loungani  
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**Days:** Wednesdays - September 6<sup>th</sup>, 2017 - October 18<sup>th</sup>, 2017

**Time:** 6:45-8:25 pm

**Location:** 19 West 4th Street - Room 102

**Prerequisites:** P11.1833, Health Services Management, or permission from the instructor.

**Credits:** 1.5 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.

### **REQUIRED TEXTBOOK:**

Karen A. Wager, Frances W. Lee, John P. Glaser, **Health Care Information Systems: A Practical Approach for Health Care Management**, 4rd Edition, Wiley, 2017

Case Studies can be purchased here: <http://cb.hbsp.harvard.edu/cbmp/access/67876686>

### **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 organization 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 online as indicated below.

## ASSIGNMENTS AND GRADING

The assignments and due dates are:

Assignment	Grade %	Date Distributed	Due Dates
Class contribution and attendance	30%	-	-
Group project	30%	Assigned on September 13 <sup>th</sup>	September 27h
In-class exam	40%	October 18 <sup>th</sup>	October 18 <sup>th</sup>

## 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 textbook, PowerPoint presentations and case studies will be included.

## INCOMPLETES

See the Wagner School's policy on Incomplete Grades at: <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>. This is a good resource for issues of academic integrity, especially regarding writing.

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

1. Karen A. Wager, Frances W. Lee, John P. Glaser, Health Care Information Systems: A Practical Approach for Health Care Management: Chapter 1 and Chapter 2

### September 13 Class 2: Selecting Technology in Healthcare

1. Karen A. Wager, Frances W. Lee, John P. Glaser, Health Care Information Systems: A Practical Approach for Health Care Management: Chapter 4 and 5
2. **Case Study:** Karen A. Wager, Frances W. Lee, John P. Glaser, Health Care Information Systems: A Practical Approach for Health Care Management: Chapter 14, Case 5

### September 20 Class 3: Improving Healthcare Quality and Medication Delivery through Technology

1. **Case Study:** "American Well: The Doctor Will E-See you Now", Elie Ofek and Ron Laufer, *Harvard Business School*
2. **Case Study:** "A Telemedicine Opportunity or a Distraction?", Janis L. Gogan and Monica J. Garfield, *North American Case Research Association, Inc.*

### September 27 Class 4: Integrating Health System with the Electronic Medical Record Technology / Class projects due.

1. Karen A. Wager, Frances W. Lee, John P. Glaser, Health Care Information Systems: A Practical Approach for Health Care Management : Chapter 6
2. **Case Study:** "Implementing an Electronic Health Record at the Central City Medical Group", Shehnaz Alidina, Lili Beit, and Michael Brown, *Harvard T.H. Chan School of Public Health*.
3. Group presentations

### October 4 Class 5: Evaluating Technology Investments

1. Karen A. Wager, Frances W. Lee, John P. Glaser, Health Care Information Systems: A Practical Approach for Health Care Management: Chapter 7
2. **Case Study:** Karen A. Wager, Frances W. Lee, John P. Glaser, Health Care Information Systems: A

3. Group presentations

**October 11 Class 6: HIPAA Security, Privacy and Data Analytics**

1. Karen A. Wager, Frances W. Lee, John P. Glaser, Health Care Information Systems: A Practical Approach for Health Care Management: Chapter 9
2. **Case Study:** “Carolinas Healthcare System: Consumer Analytics”, John A. Quelch; Margaret Rodriguez, *Harvard T.H. Chan School of Public Health.*

**October 18 Class 7: Final Exam**