Stony Brook University  
School of Health Technology and Management  
Health Sciences Program

Course Title:  **HAN 464: Health Information Systems Management**  (4 credits)

Course Location:  Classroom Lecture Hall 5, Level 2  
Course Time:  Monday (5:00-9:00pm)  
Instructor:  Anthony Indelicato  
Email address:  anthony.indelicato@stonybrook.edu  
Phone:  444-7827  
Office Hours:  By Appointment

Description:
The course includes organizational change issues in health care environments, allocation and prioritization of resources and emerging trends in health care information technology. The course will provide a foundation for understanding mainstream concepts in information architecture, infrastructures, standards and security. It will address relevant applications and issues related to information technology as an enabler in health care organizations.

Goal:
To develop an understanding of the management of information systems in health care.

Behavioral Objectives: Upon completion of this course, students will be able to:
1. Compare various theories and techniques of health information systems.
2. Explain why management information system development occurred at a slower rate than in the business sector.
3. Discuss the impact of organizational change issues in health care.
4. Compare three tools that can be utilized within a multiview framework to develop an information system.
5. Analyze the benefits of end-user computing and end-user applications.
6. Differentiate between technology architecture and information architecture.
7. Discuss the five aspects of health information system resource management (HIRM).
8. Describe the critical success factors in health management information systems (HMIS).
   Implementation.
9. Discuss the steps taken to ensure the security and confidentiality of electronic patient records (EPR).
10. Discuss the benefits of network integration.
11. Discuss the elements of disaster planning and recovery.
12. Recognize current and proposed tele-health applications.
**Required Text:**
Healthcare Information Systems, Wagner, Lee, Glaser

**Teaching Strategies:**
- *Lecture*
- *Case Studies*
- *Integrated Project*

**Evaluation:**
- Participation-including weekly project updates: 10%
- Midterm: 30%
- Final: 30%
- Integrated Project: 30%

**Americans with Disabilities Act**

If you have a physical, psychological, medical or learning disability that may impact your course work, please contact Disability Support Services, 128 ECC Building (631) 632-6748. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information go to the following website: [http://www.ehs.sunysb.edu](http://www.ehs.sunysb.edu) and search Fire Safety and Evacuation and Disabilities.

**Academic Integrity**

Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty are required to report and suspected instances of academic dishonesty to the Academic Judiciary. Faculty in the Health Sciences Center (Schools of Health Technology & Management, Nursing, Social Welfare, Dental Medicine) and School of Medicine are required to follow their school-specific procedures. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at [http://www.stonybrook.edu/uaa/academicjudiciary/](http://www.stonybrook.edu/uaa/academicjudiciary/)

**Critical Incident Management**

Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn. Faculty in the HSC Schools and School of Medicine are required to follow their school-specific procedures.
<table>
<thead>
<tr>
<th>Week</th>
<th>Section</th>
<th>Description</th>
<th>Reading Assignments</th>
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<tbody>
<tr>
<td>1</td>
<td>1/27</td>
<td>Course Introduction – What it means to be a project manager, Project discussion, interview questions</td>
<td>You need to have your book by second class!</td>
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<tr>
<td>2</td>
<td>2/3</td>
<td>Teaching Microsoft Vision Setting up-planner</td>
<td>Ch 1 and 2 Case Discussion</td>
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<tr>
<td>3</td>
<td>2/10</td>
<td>Teaching Microsoft Project-Question Time</td>
<td>Ch 3 and 4 Case Discussion</td>
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<td>4</td>
<td>2/17</td>
<td>Blue prints for Building your business First Plan presentation</td>
<td>Chapters 5 and 6 Case Discussion</td>
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<td>5</td>
<td>2/24</td>
<td>Data Mining/ Discuss project management.</td>
<td>Chapter 7</td>
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<tr>
<td>6</td>
<td>3/3</td>
<td>How projects effect customers productivity</td>
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<td>7</td>
<td>3/10</td>
<td>Midterm</td>
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<tr>
<td>8</td>
<td>3/17</td>
<td>Spring Break (Enjoy)</td>
<td>Room to be announced</td>
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<td>9</td>
<td>3/24</td>
<td>Discussion on workflows, up-dated project time.</td>
<td>Ch 8</td>
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<tr>
<td>*10</td>
<td>3/31</td>
<td>Standards/How to give an effective Lecture</td>
<td>Ch 9</td>
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<td>11</td>
<td>4/7</td>
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<td>12</td>
<td>4/14</td>
<td>Project testing and expectations:</td>
<td>Ch 10</td>
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<tr>
<td>13</td>
<td>4/21</td>
<td>Selling your ideas to the client-</td>
<td>Ch 11</td>
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<td>14</td>
<td>4/28</td>
<td>Integrating products into production: presentations</td>
<td>Ch 12</td>
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<tr>
<td>13</td>
<td>5/5</td>
<td>Final</td>
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<tr>
<td>14</td>
<td>5/12</td>
<td>Projects Due: Binder presentations</td>
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Midterm and Finals: All chapter reading will be included on midterm and finals, Multiple choice, Logic and Critical Thinking questions, Diagram fill in the blanks. Possible essay on both midterm and final.

Project

**Spring 2014 Project:**