Instructor: Marcea Walter, MHSA, Clinical Instructor  
Office: CASA 132  
Phone: 453-8883  
E-mail: mwalter@siu.edu  
Office Hours: Tuesday and Thursday 2:00pm-3:30pm & 5:00pm-6:00pm, Thursday 11:30am-12:30pm, and by appointment.

Course Information:  
Thursdays, 6:00pm-8:50pm, ASA 0009D

Course Description:  
This course provides a multi-disciplinary analysis of the strategic application of information technology and the management of such in health care organizations. The course focuses on using information technology to analyze both clinical data and business results in the decision making processes within an overall organizational capacity. Challenges facing the health care industry in terms of information technology will be examined.

Prerequisite:  
Restricted to HCM major/minor.

Required Textbook:  

Course Objectives:  
- Identify and discuss the evolution of information technology in the healthcare industry.  
- Identify and describe various types of information system applications common in the health care industry.  
- Understand how data are used in terms of strategic management, financial management, clinical outcomes management, and public health/population management.  
- Explore emerging technologies in healthcare such as electronic medical records, telemedicine, and clinical information systems with the broad scope of a wide range of healthcare services and patient care providers.  
- Discuss the legal and ethical issues which pertain to information technology specific to clinical settings in the healthcare environment including privacy, confidentiality, and security.

Topical Outline:  
I. Connecting Information Management to Organizational Strategies in the Healthcare Environment  
   a. Overview and Evolution of the System  
   b. The Role of Information in Healthcare  
   c. Future Healthcare Systems
Using Information Management in Strategic Planning
Using Information Management in the Clinical Setting
The Importance of Systems Integration

II. Information Technology Applications in Healthcare
   a. Electronic Medical Records
   b. Clinical Information Systems
   c. Management/Administrative Financial Systems
   d. Information Systems for Nonhospital Organizations
   e. Project Management

III. Information Transfer
   a. Knowledge Management
   b. Data Warehousing, Data Mining, Workflows & Analytics

IV. The Legal Environment
   a. Governmental Oversight in Healthcare & Information Technology’s Role
   b. Health Information Portability and Accountability Act
   c. Security

Course Evaluation:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-test</td>
<td>10</td>
</tr>
<tr>
<td>Post-test</td>
<td>20</td>
</tr>
<tr>
<td>Research Assignments (3 @ 50 points)</td>
<td>150</td>
</tr>
<tr>
<td>Group Case Study and Presentation</td>
<td>100</td>
</tr>
<tr>
<td>Midterm</td>
<td>100</td>
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<tr>
<td>Final Exam</td>
<td>100</td>
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<tr>
<td>Total Points</td>
<td>480</td>
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**Syllabus and course activities including any agendas, due dates and/or due times are subject to change at the discretion of the instructor at any time during the course.**

Grading Scale:
90 – 100 = A
80 – 89 = B
70 – 79 = C
60 – 69 = D
59 or less = F

Exams:
There will be a midterm and final exam, worth 100 points each. Exams will only be given on the scheduled exam days. **NO early exams or make-up exams will be given except for those rare exceptions outlined by the University.**

The final exam will be Thursday, May 14, 2014 from 5pm-7pm.

D2L Access & Proficiency:
Each student will require access to the D2L system. Students will use the D2L system extensively in this course. However, this is NOT a class that teaches D2L to students. The
student is expected to invest their own time becoming comfortable and knowledgeable of D2L. No exceptions to due dates/due times or expectations of courses deliverables will be given based upon the student’s inability to master D2L.

The instructor CANNOT aid students with technical problems such as computer compatibility etc. Students need to contact the D2L Administrator at mycourse.siu.edu or 618-453-1016 for assistance in these issues. Students should allow ample time to get the system up and running. If the computer the student intends to use for the course is not compatible with D2L, they must find a computer that will run this program effectively or drop the course given computer accessibility and usability is a requirement of the course. No exceptions to due dates/due times or expectations of courses deliverables will be given based upon technical problems unless the issues are due to an unlikely D2L system failure.

**Student Conduct Code:**
It is each student’s responsibility to know and comply with the SIUC Student Conduct Code and any policies referenced therein.

**Emergency Procedures:**
Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the SIUC Emergency Response Plan and Building Response Team (BERT) program. Emergency response information is available on posters in buildings on campus, available on BERT’s website at www.bert.siu.edu, Department of Safety’s website at www.dps.siu.edu (disaster drop down) and in the Emergency Response Guideline pamphlet. Know how to respond to each type of emergency.

Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency. The Building Emergency Response Team will provide assistance to your instructor in evacuating the building or sheltering within the facility.

**Academic Dishonesty:**
Students may be subject to disciplinary proceedings resulting in an academic penalty or disciplinary penalty for academic dishonesty. Academic dishonesty includes, but is not limited to, cheating on a test, plagiarism, or collusion.

**ADA Statement:**
As per 504 of the Vocational Rehabilitation Act of 1973 and the American Disabilities Act (ADA) of 1990, if accommodations are needed, please inform the instructor or program advisor as soon as possible.