

Course ID	Course Description	Course Objectives
HSMG 6750 <b>Information Systems</b>	<p>Information technology and information systems are increasingly important to the management of health care organizations. This course is designed to introduce the health administration student to the rapidly evolving discipline of health HSMG 675 Course Syllabus, Fall 2008 page 2 informatics in the complex and diverse world of healthcare. The course will review the history, current applications, and the potential future of information, information management and information technology, including: data acquisition, storage and processing; information systems (clinical and administrative); standards; security; decision support; and an understanding of medical/health informatics methods and principles</p>	<ol style="list-style-type: none"> <li>1. Demonstrate knowledge of the basic technology underlying information systems, including hardware, software, and telecommunications and networking.</li> <li>2. Discuss the structure of health care data and basic principles of managing data.</li> <li>3. Describe the evolution of health care information systems.</li> <li>4. Discuss the main features and capabilities of the following categories of information systems applications:               <ol style="list-style-type: none"> <li>a. Patient administration systems (admission, discharge, transfer (ADT); registration; scheduling; patient billing or accounts receivable; and utilization management)</li> <li>b. Financial management systems (accounts payable, general ledger, personnel management, materials management, payroll, staff scheduling, and staff time and attendance).</li> <li>c. Ancillary information systems (laboratory, radiology, pharmacy, and other ancillary information systems)</li> <li>d. Other clinical information systems (nursing documentation, electronic medical record, computerized physician order entry, decision support systems, tele-medicine and tele-health, rehabilitation service documentation, and medication administration)</li> </ol> </li> <li>5. Examine the systems development life cycle as it pertains to both the development of a custom application and the selection of a proprietary system.</li> <li>6. Recognize the importance of health care information standards.</li> <li>7. Discuss issues surrounding security of health information systems.</li> <li>8. Describe the process of setting a direction, and developing strategic and operational plans for IT management.</li> <li>9. Identify the principles of managing technology resources and the information systems function.</li> <li>10. Discuss problems and solutions to the issue of demonstrating value from IT/IS investments.</li> </ol>