University of Arkansas - Fort Smith
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General Syllabus

HPMT 60103 Information Systems Management in Healthcare

Credit Hours: 3   Lecture Hours: 3   Laboratory Hours: 0

Prerequisites: HPMT 56003 Population Health, HPMT 56103 Leadership and Managing Healthcare Organizations

Prerequisite or corequisite: HPMT 56203 Strategic Planning in Healthcare

Effective Catalog: 2017-2018

I. Course Information

A. Catalog Description
Provides an understanding of different information systems used in the administration of healthcare organizations designed to improve healthcare delivery. Examines the current status of information systems within healthcare systems. Topics include advanced uses of informational systems to monitor decision making, patient outcomes, financial stability and marketing information.

B. Additional Information
Serves as an advanced core class for students.

II. Student Learning Outcomes

A. Subject Matter
Upon successful completion of this course, the student will be able to:

1. Analyze how information systems packages are used to improve decision making, patient outcomes, and financial outcomes.
2. Examine governmental programs that encourage the adoption of information technology and data sharing among organizations.
3. Analyze major risks to the security and privacy of information stored in computer-based information systems, including ways to avoid or reduce these risks.
4. Evaluate barriers to effective implementation of information systems and technologies, including techniques for successful implementation.

B. **Program Learning Outcomes**
   This graduate course enhances student abilities in the following areas:

   1. Goal: Healthcare Systems and Environment - Demonstrate an in-depth understanding of healthcare systems and the environment in which healthcare managers and providers operate.
      Objective: Demonstrate knowledge of healthcare systems, service delivery, and operational environments including interdisciplinary approaches.
   2. Goal: Healthcare Management and Business - Utilize business principles, including systems thinking, to the healthcare environment.
      a. Objective: Develop critical thinking, analysis, and problem solving skills that can be applied to all aspects of healthcare management.
      b. Objective: Demonstrate knowledge of the theories and tools used in the area of information systems management.
      c. Objective: Demonstrate knowledge of the theories and tools used in the areas of risk management and quality improvement.
   3. Goal: Leadership - Demonstrate transformational leadership that inspires individual, team, and organizational excellence.
      Objective: Interpret the authorizing environment and operate within organizational structures, functions, process, and traditions.

III. **Major Course Topics**

   A. Overview of healthcare informatics, regulations, laws, and standards
   B. History and evolution of health care information systems
   C. Federal efforts to enhance quality of patient care
   D. System acquisition, implementation and support
   E. Healthcare information system standards
   F. Security of healthcare information systems
   G. Senior management IT challenges