This course supports the assessments for Health Care Informatics. The course covers 7 competencies and represents 4 competency units.

Introduction

Overview

Health informatics is an applied science blending the theories of

- business,
- information technology,
- management,
- medicine, and
- consumer-centered health care.

All these components are used to improve health care quality and its effectiveness and support the evaluation and assessment of health care services. Technology changes the way health information is used to support clinical care. Adopting information systems is a long term commitment to an organization-wide project.

Health Informatics and Health Information Management Professionals are heavily involved in the twin responsibilities of collecting, converting, and maintaining raw health data and finished health information and in the need to protect this data and information in the electronic environment. Competency in this course will prepare you for these roles.

It is advisable to have completed Healthcare Ecosystems and Health Information Law and Regulations, or have experience in those areas, before embarking on this course.

Competencies

This course provides guidance to help you demonstrate the following 7 competencies:

- **Competency 731.1.1: Institutional Planning Recommendations for Health Informatics**
  The graduate analyzes institutional and industry trends in the utilization of electronic health records, and provides direction and support to organizational leadership in the planning and implementation of health informatics systems, including the electronic health record, for healthcare organizations.
- **Competency 731.1.2: Assessment-Driven Decisions for Health Informatics**
  The graduate evaluates a healthcare organization's medical practice work flow, functional needs of end-users, data infrastructure, and information technology systems and processes, specifically during adoption phases of health informatics systems.
- **Competency 731.1.3: Resource Implications in Health Informatics**
  The graduate analyzes the commitment of human and financial resources of healthcare organizations in vendor selection, contract negotiation, and internal staff support for organizational roll-out in the implementation of the electronic health record.
- **Competency 731.1.4: Health Informatics Applications**

The graduate applies health informatics in various types of healthcare delivery systems to support the diverse requirements of each setting, including acute care, ambulatory care, health information exchanges, and the personal health record for healthcare consumers.

- **Competency 731.3.1: Project Planning**
  The graduate applies general principles of project management for project planning, development, and launch, and for evaluating specific project ideas in healthcare organizations.
- **Competency 731.3.2: Project Management and Evaluation**
  The graduate analyzes activities of project management to ensure efficient work flow and appropriate outcomes for projects for healthcare organizations.
- **Competency 731.3.3: Project Team: Managing People**
  The graduate analyzes the responsibilities of project team members, recognizes the value of strong leadership as a project manager, and communicates with all team members in ways that facilitate project success; and prepares and maintains project reports as part of the organizational record.

Course Instructor Assistance

As you prepare to demonstrate competency in this subject, remember that course instructors stand ready to help you reach your educational goals. As subject matter experts, mentors enjoy and take pride in helping students become reflective learners, problem solvers, and critical thinkers. Course instructors are excited to hear from you and eager to work with you.

Successful students report that working with a course instructor is the key to their success. Course instructors are able to share tips on approaches, tools, and skills that can help you apply the content you're studying. They also provide guidance in assessment preparation strategies and troubleshoot areas of deficiency. Even if things don't work out on your first try, course instructors act as a support system to guide you through the revision process. You should expect to work with course instructors for the duration of your coursework, so you are welcome to contact them as soon as you begin. Course instructors are fully committed to your success!

Learning Resource

The Soomo learning environment will be utilized as the primary learning resource for completion of this course.

[Launch Course](#)

This learning environment will contain links at the activity level to the following additional learning resources:

VitalSource E-Texts
The following textbooks are available to you as e-texts within the Soomo learning environment. You will be directly linked to the specific readings required within the learning environment activities.

- LaTour, K., Maki, S., & Oachs, P. (Eds.). (2013). *Health information management: Concepts, principles, and practice* (4th ed.). Chicago, IL: AHIMA. ISBN-13: 9781584263593
- McCuen, C., Sayles, N., & Schnering, P. (2008). *Case studies in health information management.* Clifton Park, NY: Delmar Cengage Learning. ISBN: 9781418055462
- Schnering, P. (2014). *Professional review guide for the RHIA and RHIT examinations.* Cengage. ISBN 9781305325111

Cengage E-Text

The following textbook is available to you as an e-text within the Soomo learning environment. You will be directly linked to the specific readings required within the learning environment activities.

- Gido, J., & Clements, J. (2009). *Successful project management (4th ed.).* Mason, OH: South-Western Cengage Learning. ISBN: 9780324656152

SkillSoft and Books 24x7

You will access SkillSoft items within the Soomo learning environment. For more information on accessing SkillSoft items, please see the "Accessing SkillSoft Learning Resources" page.

The following Books24x7 e-texts will be used in this course:

- Hanson, C.W. (2006). *Healthcare informatics.* New York, NY: McGraw-Hill. ISBN: 0071440666
- Williams, T. & Samarth, A. (2011). *Electronic health records for dummies.* Hoboken, NJ: Wiley Publishing. ISBN: 9780470623657

Final Assessment Tips

To access Taskstream, click the "Assessment" tab and navigate to Taskstream.

The instructions in Taskstream will include all directions for each of the tasks along with other documents needed for reference.

Each task is to be completed as a professional paper with APA style in-text citations and the matching APA style bibliography.

These tasks will vary in length but must contain sufficient discussion of the various components shown in the task rubric. The rubric is accessible through a link at the bottom left section in each task

Mentor Tips

Early contact with course instructors will make the successful completion of the tasks easier.

Complete the quizzes to gauge your learning progress. Reviewing the reading materials and websites in the Soomo learning environment before starting any of the tasks is important.

A thorough understanding of each of the task rubrics is crucial.