Data Modeling and Database Management Systems – C792

Overview

This graduate course is designed to engage the student in planning, analyzing, and designing a relational database management system (DBMS) for use by nurse administrators, clinicians, educators, and informaticists. This experience will provide the knowledge needed to advocate for nursing informatics needs within the field of healthcare.

Competencies

▲ Database Models
The graduate proposes database models, including methods and policies for data mining and information retrieval within healthcare organizations.

▲ Clinical Documentation
The graduate applies constructed data models for communication of clinical documentation across systems, including interoperability considerations.

▲ Compliance requirements
The graduate integrates compliance requirements to the informatics system as outlined by government regulations, accreditation, licensing, and certification agencies to mitigate legal risk to healthcare organizations.

▲ Informatics projects
The graduate designs clinically relevant and user-focused informatics projects using informatics systems theory, information processing theory, and national taxonomies to support safe, high quality patient outcomes.

Learning

Getting Started
Welcome to Nursing Data Modeling and Database Management Systems. This course uses uCertify learning resources which contain all of the necessary reading materials, interactive learning activities, and knowledge checks to prepare you for the assessment. For the best understanding of the course content, complete each unit of the course by completing the required reading and finishing the knowledge checks and the reflection journal questions. Use the pacing guide below to stay within the suggested course completion timeframe. Competency will be demonstrated by the successful completion of a performance assessment.

Cohort Sign-up
Assessments

Performance Assessment: Data Modeling and Database Management Systems

Status: Not Attempted
Code: GNP2

Course Information

The Writing Center
WGU Library
Accessibility Policy
Student Success Center
Statement of Nursing Dispositions

Course Instructor Group
nursinginfdatabase@wgu.edu

Course Instructor Responsibility
How to Work with Course Instructors