

## **North Carolina Wesleyan College**

### **HCA 350 Healthcare Informatics (3 Semester Hours)**

This course provides an overview of Health Information Technology and Health Informatics introducing students to the major areas of evolving discipline. This course focuses on the application of health information technology for healthcare delivery, education and research, as well as the multidisciplinary nature of informatics.

#### **Course Objectives:**

##### **HCA 350**

1. Describe the development of Health Information Technology and the emergence of Health Informatics as a discipline.
2. Understand the core competencies needed in the discipline.
3. Explain the use concepts, models, and systems thinking to order and understand informatics.
4. Define the discipline, data types and use of data, information and knowledge
5. Describe the use of vocabularies, ontologies, and semantics
6. Describe the basic elements and concepts of health informatics
7. Explain the application of health information technology to healthcare, education, and research Define and use basic informatics terminology
8. Develop a beginning level competency in the literature of the discipline
9. Develop a beginning level competency in structured query language (SQL)

#### **Mission for Healthcare Administration Program:**

The Bachelors of Science in Healthcare Administration program prepares students for successful careers to manage and lead in the changing landscape of healthcare by providing innovative strategies to improve the efficiency and quality of healthcare services delivered. The degree will emphasize organizational competence in managing and developing professional

standards, policies, data management, fiscal responsibilities and areas of public health that influence the quality and equitable delivery of healthcare services.

**Program Description (College Catalog pg. 177):**

A degree in Healthcare Administration prepares students to be managers in a variety of healthcare industry settings. Using foundational courses from business, the degree builds on managerial principles to educate future healthcare leaders in areas of public health, economics, healthcare policy/law, data management and strategy. Graduates with a B.S. in Healthcare Administration will be qualified to plan, manage data, and direct operations in health care facilities such as nursing homes, physicians' practices and clinical settings such as hospitals or laboratories. This program is available as a major and an undergraduate certificate; also, as a concentration within the Organizational Leadership major.

**Program Goals:**

1. To develop and maintain a curriculum that reflects current trends and strategies in healthcare administration.
2. Create a community of alumni that are engaged in improving the landscape of healthcare delivery services at local, state, national and global levels.
3. To prepare students for graduate studies and/or for entry into the field of healthcare administration (HCA) following completion of the HCA major.

**Program Learning Outcomes (PLOs):**

1. Learners will be able to demonstrate an understanding of the healthcare delivery system in the US.
2. Learners will develop skills to effectively communicate and collaborate as a strategic member of the healthcare team.
3. Learners will apply risk and quality management concepts within the healthcare arena.
4. Learners will be able to apply legal and ethical principles to dilemmas faced by managers in the healthcare area.
5. Learners will develop skills to interpret utilization of health information technology in the healthcare setting.
6. Learners will be able to analyze socio-cultural and economic forces impacting the accessibility and efficiency of healthcare service delivery.
7. Learners will be able to critically analyze research in healthcare management and utilize to improve service outcomes.