

## Master Syllabus

### HIM 2144 - Quality Improvement, Statistics & Research

**Division:** Health Sciences

**Department:** Health Information Management

**Credit Hour Total:** 3.0

**Lecture Hrs:** 2.0 **Lab Hrs:** 2.0

**Prerequisite(s):** HIM 1110 AND BIS 1221 AND MAT 1130

**Other Prerequisite(s):** AND Restricted to Majors , AND Other Any Approved OTM Math

**Date Revised:** May 2016

---

### Course Description:

Organization and analysis of data in health care quality programs including quality assessment and monitoring, utilization and risk management and medical staff credentialing. Theory and application of health care statistics including data definitions, computation of formulae and research principles. Two classroom, two lab hours per week.

### General Education Outcomes:

- Critical Thinking/Problem Solving Competency
- Values/Citizenship/Community Competency
- Oral Communication Competency

### Course Outcomes:

#### Data Elements & Sources

Identify the standard statistical data elements and their sources in the healthcare setting including those used for vital statistics, research and managerial analysis.

**Assessment Method:** Locally developed exams  
**Performance Criteria:** Score of 77% or higher

#### Data Collection, Presentation & Analysis

Demonstrate the ability to use the data collection, presentation, and analysis tools of process improvement.

**Assessment Method:** Locally developed exams  
**Performance Criteria:** Score of 77% or higher

**Assessment Method:** Simulations  
**Performance Criteria:** Score of 77% or higher

#### Monitoring & Reporting

Create monitoring, collection and reporting procedures for health record documentation and coding compliance.

**Assessment Method:** Locally developed exams  
**Performance Criteria:** Score of 77% or higher

**Assessment Method:** Simulations  
**Performance Criteria:** Score of 77% or higher

#### Professional Behavior

Demonstrate the professional behaviors, attitudes, and values consistent with and appropriate to the entry-level HIM professional.

**Assessment Method:** Behavioral observations  
**Performance Criteria:** Score of 77% or higher

**Assessment Method:** Performance appraisals  
**Performance Criteria:** Score of 77% or higher

#### Healthcare Quality Improvement Programs

Describe the structure, organization and processes of a healthcare quality improvement program.

**Assessment Method:** Locally developed exams  
**Performance Criteria:** Score of 77% or higher

#### Data Calculation & Accuracy

Compute healthcare statistics by selecting the correct formulae and identifying and entering the required data from data sources.

**Assessment Method:** Locally developed exams  
**Performance Criteria:** Score of 77% or higher

#### Joint Commission Standards

Articulate the standards of the Joint Commission regarding process improvement and credentialing and describe how those align with other regulatory mandates.

**Assessment Method:** Focus groups  
**Performance Criteria:** Score 77% or higher

**Assessment Method:** Locally developed exams  
**Performance Criteria:** Score 77% or higher

**Outline:**

Healthcare Quality Program Requirements and Structure  
Data Collection, Analysis and Reporting  
Patient Safety and Risk Management  
Utilization Management and Medical Staff Credentialing  
Healthcare Statistics and Definitions  
Vital and Research Statistics