Course Prefix and Number: <u>HIM 220</u>   Credits: <u>3</u>

Course Title: <u>Health Statistics</u>

Course Description

Introduces the student to basic statistical principles and calculations as applied in the health care environment, procedures for collection and reporting vital statistics, and basic quality control basics. Prerequisites: Competency in Introductory Algebra MDE 10 as demonstrated through placement or by satisfactorily completing MDE 10. Lecture 3 hours. Total 3 hours per week. 3 credits

General Course Purpose:

This course discusses the subject of collecting, aggregating, and reporting data in the health care environment.

Course Prerequisites and Co-requisites:

Prerequisites: Competency in Introductory Algebra MDE 10 as demonstrated through placement or by satisfactorily completing MDE 10.

Student Learning Outcomes:
Upon completing the course, the student will be able to

- Apply policies and procedures for collecting health care data;
- Compute descriptive statistics widely used in the health care field;
- Compile information using a database software product;
- Display health data using a graphics software product; and
- Interpret distribution curves.

Major Topics to Be Included:

- Nature of Data
- Use of Data
- Rates and Percentages
- Presentation of Data
- Vital Statistics
- Health Care Database Use
- Health Care Comparative Statistical Reports
- Identification of the Relationships of the Measures of Central Tendency
- Distribution Curves
- Standard Deviation

Effective Date/Updated: February 15, 2019