

**NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY
HIM 220 - HEALTH STATISTICS (3 CR.)**

Course Description

Introduces the student to basic statistical principles and calculations as applied in the healthcare environment, Focuses on procedures for collection and reporting vital statistics, basic quality control population statistical information. In addition students will learn the fundamentals of standard deviation, normal distribution and histograms. Lecture 3 hours per week.

General Course Purpose

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

Course Prerequisites/Co-requisites

Prerequisite is HIM 141 or permission of instructor.

Course Objectives

Upon successful completion of the course, 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.
- Interpret distribution curves

Major Topics to be Included

- a. Nature of Data
- b. Use of Data
- c. Rates and Percentages
- d. Presentation of Data
- e. Vital Statistics
- f. Health Care Database Use
- g. Health Care Comparative Statistical Reports
- h. Identification of the Relationships of the Measures of Central Tendency
- i. Distribution Curves
- j. Standard deviation