

**J. Sargeant Reynolds Community College
Course Content Summary**

Course Prefix and Number: HIM 220

Credits: 3

Course Title: Health Statistics

Course Description: Introduces the student to basic statistical principles and calculations as applied in the health care 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. Prerequisites: Admittance into the Advance Coder Career Studies Program. Placement recommendation for MTH 146 and Algebra I or equivalent. Lecture 3 hours per week.

General Course Purpose: Required for the Advanced Medical Coder Career Studies Certificate, this course discusses the subject of collecting, aggregating, and reporting data in the health care environment.

Course Prerequisites and Co-requisites:

Prerequisites: Admittance into the Advance Coder Career Studies Program. Placement recommendation for MTH 146 and Algebra I or equivalent.

Course Objectives:

Upon completing the course, the student will be able to

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

Effective Date of Course Content Summary: August 24, 2015