Miami Dade College

Course Description
HIM2214C | Health Statistics | 2.00 credits
This course will focus on the definitions for analysis, interpretation, and display of healthcare data. The student will learn the acceptable terminology and basic definitions for reporting health statistics. Emphasis is placed on the use of the formulas necessary for computing standard rates, percentages, and averages from patient data. Prerequisites: HIM1110, 1110L; corequisite: HIM2512C.

Course Competencies:
Competency 1: The student will demonstrate knowledge of computing statistics within daily operations of healthcare settings by:
1. Computing and analyzing daily inpatient census, inpatient service days, and percentages
2. Creating a histogram chart
3. Calculating and validating length of stay days

Competency 2: The student will demonstrate accurate calculations of hospital morbidity, mortality, and miscellaneous rates by:
1. Calculating morbidity and mortality rates for a given period
2. Interpreting data from the Center for Disease Control for statistical data trending
3. Constructing line graphs using data statistics

Competency 3: The student will demonstrate basic knowledge and skills using databases to collect and analyze data for reporting by:
1. Interpreting data from Center of Disease Control databases for statistical data trending
2. Analyzing and interpreting productivity reports
3. Applying and analyzing health information to data analytics tools (Tableau and Pivot Tables)

Learning Outcomes:
- Use quantitative analytical skills to evaluate and process numerical data
- Formulate strategies to locate, evaluate, and apply information
- Use computer and emerging technologies effectively