

HIT 210 HEALTH CARE STATISTICS

Prerequisites: MAT 140, MAT 140A

Co-requisites: NONE

COURSE DESCRIPTION

This course covers maintenance, compilation, analysis and presentation of health care statistics. Topics include basic statistical principles, morbidity, mortality, and commonly computed hospital rates; uniform reporting requirements; selection and construction of data displays. Upon completion, students should be able to calculate morbidity, mortality, and commonly computed hospital rates, comply with uniform reporting requirements, analyze and present statistical data. Course Hours Per Week: Class, 3. Lab, 2. Semester Hours Credit, 4.

COURSE GOALS

Upon successful completion of this course, the student will be able to:

- ◆ Participate in defining data elements for institution-wide data collection
- ◆ Compute routine institutional statistics
- ◆ Compute and report institutional health care quality indicators
- ◆ Assist in interpretation of data
- ◆ Prepare data for presentation
- ◆ Analyze patient data using QI tools
- ◆ Present and discuss data
- ◆ Perform statistical analysis of patient information
- ◆ Design reports using database report generation
- ◆ Participate in institution-wide committees that rely on medical records
- ◆ Define institution-wide data elements
- ◆ List and define UHDDS elements
- ◆ Define basic statistical terms
- ◆ Apply basic statistical principles
- ◆ Identify the HIT's role
- ◆ Discuss legal requirements and regulations for birth and death registration
- ◆ Discuss and calculate length of stay data
- ◆ Calculate occupancy percentage
- ◆ Discuss and calculate bed turnover rate data
- ◆ Compute net, gross, fetal, maternal, and infant death rates
- ◆ Compute autopsy rates, and identify medical examiner's cases
- ◆ Discuss circumstances under which a body must be made available for autopsy
- ◆ Identify raw data and compute nosocomial infection rates
- ◆ Compute cesarean section rates
- ◆ Use quality improvement tools
- ◆ Use database report generation software

REQUIRED TEXTBOOKS AND REFERENCES:

Koch, G., Basic Allied Health Statistics and Analysis, 2nd edition, Delmar Publishers

Horton, Loretta A., Calculating and Reporting Healthcare Statistics, AHIMA Publishers

Johns, Merida, Health Information Management Technology, AHIMA Publishers

STATEMENT OF STUDENTS WITH DISABILITIES:

Students who require academic accommodations due to any physical, psychological, or learning disability should request assistance from the Disability Services Coordinator within the first two weeks of class. Likewise, students who potentially require emergency medical attention due to any chronic health condition are encouraged to disclose this information to the Disability Services Coordinator within the first two weeks of class. The Coordinator can be contacted by calling 686-3652, (V/TT), or by visiting the Student Services Office, Room 23 of the White Building.