COURSE INFORMATION FORM

DISCIPLINE: Health Information Management
COURSE TITLE: Healthcare Statistics

CR.HR: 3.0  LECT HR: 3.0  LAB HR: 0.0  CLIN/INTERN HR: 0.0  CLOCK HR: 0.0

CATALOG DESCRIPTION
This course focuses on the computation, interpretation and reporting with the use of graphs of healthcare statistics within the organization.

PREREQUISITES
CSIS 115, HIM 101, HIM 108, HIM 110, HIM 112

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:
1. Define selected terms used in computing healthcare statistics.
2. Describe the requirements for completion and filing of vital statistics on births, deaths, and reportable diseases.
3. Compute patient care and management data ratios.
4. List the minimum data required on hospital discharges.
5. Describe the application of computerization to collection of statistical information.

GENERAL EDUCATION OUTCOMES (ESO)
Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

Outcomes  ESO
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

4. Quantitative Literacy and Mathematical Analysis
   B. Determine reasonableness of numbers used to describe situations (3)
   C. Determine validity of an argument based on quantitative information (3)
   D. Make reasonable estimates (computational — practical) (3)
   E. Interpret and apply numeric information embedded in text or real-life situations. (3)
   F. Interpret and apply numeric information presented in tables, charts, and graphs. (5)

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes may be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Assignments (1, 2, 3, 5)
2. Lab exercises (changed from class discussions) (3, 4, 5)
3. Examinations (1, 2, 3, 4)
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. Introduction
   A. Data definitions
   B. Vital statistics
   C. Sources of data
   D. Use and purpose of data
   E. Data abstracts
   F. Data collects
   G. Uniform reporting
      1. UHDDS
      2. UACDS
      3. MDS
      4. OASIS
   H. Data quality
   I. Vital statistics
      1. Birth registration
      2. Death registration

II. Review of math
   A. Fractions
   B. Percentages
   C. Rate
   D. Ratio

III. Medical Services and Organization Units

IV. Inpatient Census
   A. Definitions
   B. Inpatient census
   C. Inpatient service day
   D. Total inpatient service days
   E. Average daily inpatient census
   F. Other

V. Rates
   A. Occupancy rate
   B. LOS
C. Mortality rate
D. Autopsy rate
E. Infection rate
F. Consultation rate
G. Other

VI. Frequency Distribution
VII. Measures of Central Tendency

VIII. Data Presentation
A. Graphs
B. Spreadsheet

IX. Case Mix Index