Alexandria Technical and Community College

MEDS 1616: Basic Health Data Statistics and Analysis

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 2
Lab Hours/Week: 2
OJT Hours/Week: *.*
Prerequisites: None
Corequisites: None
MnTC Goals: None

This course is a fundamental study of health-care statistics and analysis. It will include using basic terms, definitions, and formulas to collect, analyze, and compute health care data and statistics. Basic arithmetic skills and computation is used.

B. COURSE EFFECTIVE DATES: 10/15/2021 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Explore how health information professionals use data to improve patient care delivery in clinical settings.
2. Differentiate between quantitative and qualitative data.
3. Demonstrate knowledge of fundamental math and statistics.
4. Identify how health care organizations leverage key data.
5. Create and format a variety of charts and graphs using computer software.
6. Identify abbreviations routinely used by health care facilities for efficiency.
7. Apply industry standard formulas to analyze and present health care data.

D. LEARNING OUTCOMES (General)

1. The learner will understand the collection and interpretation of healthcare data.
2. The learner will be able to apply terms, formulas, and computations applicable to health care statistics.
3. The learner will be able to analyze, report, and understand health care data and statistics.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted