



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** Healthcare Statistics and Research  
**Course Number:** HIT222

### Required Materials

**Textbook(s):**

White, S. (2023). *Calculating and reporting healthcare statistics* (7th ed.). American Health Information Management Association.  
 Sayles, N. B., & Gordon, L. L. (2025). *Health Information Management Technology: An Applied Approach*. American Health Information Management Association.

**Required Readings:** See below.

**Additional Materials:** None

### Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Chapter/Topic/Lab
Week 1	Chapter 1 Introduction to Health Statistics ( <i>Calculating and Reporting Healthcare Statistics</i> )
Week 2	Chapter 2 Mathematics Review ( <i>Calculating and Reporting Healthcare Statistics</i> ) Chapter 6 Data Management ( <i>Health Information Management: An Applied Approach</i> ) Exam #1 (Chapters 1 & 2)
Week 3	Chapter 3 Patient Census ( <i>Calculating and Reporting Healthcare Statistics</i> )
Week 4	Chapter 4 Inpatient Bed Occupancy ( <i>Calculating and Reporting Healthcare Statistics</i> )
Week 5	Chapter 5 Length of Stay ( <i>Calculating and Reporting Healthcare Statistics</i> ) Exam #2 (Chapters 3 & 4)
Week 6	Chapter 6 Mortality Rates ( <i>Calculating and Reporting Healthcare Statistics</i> )
Week 7	Exam #3 (Chapters 5 & 6) Capstone Introduction
Week 8	Chapter 7 Hospital Autopsies and Autopsy Rates ( <i>Calculating and Reporting Healthcare Statistics</i> )
Week 9	Chapter 8 Morbidity and Other Miscellaneous Rates ( <i>Calculating and Reporting Healthcare Statistics</i> )
Week 10	Chapter 9 Statistics Computed within the Health Information Management Department ( <i>Calculating and Reporting Healthcare Statistics</i> ) Exam #4 Chapters 7 & 8
Week 11	Chapter 10 Descriptive Statistics in Healthcare ( <i>Calculating and Reporting Healthcare Statistics</i> )
Week 12	Chapter 11 Presentation of Data ( <i>Calculating and Reporting Healthcare Statistics</i> ) Rough Draft for Capstone Due

<b>Week</b>	<b>Chapter/Topic/Lab</b>
Week 13	Chapter 12 & 13 12 Basic Research Principles ( <i>Calculating and Reporting Healthcare Statistics</i> ) 13 Inferential Statistics in Healthcare ( <i>Calculating and Reporting Healthcare Statistics</i> )
Week 14	Exam #5 Chapters 9-13
Week 15	Final Exam Review
Week 16	Final Exam