MOHAWK VALLEY COMMUNITY COLLEGE, UTICA-ROME, NY

SCHOOL OF HEALTH SCIENCES
HEALTH INFORMATION TECHNOLOGY

COURSE OUTLINE

I. COURSE DESCRIPTION:

HM202 Health Data and Quality Management **C-2, P-3, Cr-3**

This course includes a study of health care information requirements and standards, hospital and vital statistics, data quality and integrity, data analytics, quality management, and performance improvement. (Online Only)

Two class hours and three lab hours weekly.

Prerequisite: HM121 ICD-10-CM and ICD-10-PCS Coding; HM122 Legal and Ethical Aspects of Health Information Management.

II. MATERIALS:

Text and Learning Materials: Davis, Nadinia. *Statistics and Data Analytics*. 1st edition. ISBN: 9781455753154. Elsevier. Shaw, Patricia, and D. Carter. *Quality and Performance Improvement in Healthcare*. AHIMA.

III. EVALUATION METHODS:

Students will be evaluated in the following manner:

Written Assignment/Project	25%
Exams	25%
Final Comprehensive Exam	25%
Attendance /Assignments	25%

IV. STUDENT LEARNING OUTCOMES:

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

1. Describe components of data dictionaries and data sets.
2. Calculate statistics for healthcare operations.
3. Report health care data through graphical representations.
4. Describe research methodologies used in healthcare.
5. Utilize data-driven performance improvement techniques for decision making.

V. MAJOR TOPICS:

1. Basics of Statistics and Data Analysis
2. Descriptive Statistics and Data Analysis in Health Care Settings
3. Data Analysis Techniques
4. Research and Data Analysis
6. Quality Management and Performance Improvement
7. Research Methods: Analyzing Health Care Data and Measuring Customer Satisfaction

8. Information Integrity and Data Quality
9. Work Design and Process Improvement: Continuous Monitoring and Improvement Functions