

# HITM2290 - Health Care Data Management and Analysis

Credits:	3 (1/2/0)
Description:	This course provides an in-depth look into the management of healthcare data and how this data is used for analysis, statistics and graphical representation.
Prerequisites:	<ul style="list-style-type: none"> <li>• HITM1165</li> <li>• MATH0070</li> </ul>
Corequisites:	
Pre/Corequisites*:	
Competencies:	<ol style="list-style-type: none"> <li>1. Identify the processes and strategies for managing data to achieve data integrity, validity, reliability and quality.</li> <li>2. Monitor data to identify risks, adverse events and safety issues.</li> <li>3. Apply knowledge of database structures to search for, compile and modify healthcare data sets.</li> <li>4. Apply basic statistics utilizing mean, frequency, percentile and standard deviation.</li> <li>5. Apply data analysis techniques to identify trends.</li> <li>6. Accurately interpret, calculate and summarize healthcare data using the appropriate statistical software.</li> <li>7. Calculate descriptive healthcare statistics and solve fundamental statistical problems.</li> <li>8. Ensure thorough and logical explanations of data founded on evidence-based information.</li> <li>9. Utilize appropriate visual data presentation based on audience to support accurate conclusions.</li> </ol>
MnTC goal areas:	None

\*Can be taking as a Prerequisite or Corequisite.