## MATH1213 - Introduction to Statistics

$\left.\left.\begin{array}{|l|l|}\hline \text { Credits: } & \text { 4(4/0/0) } \\ \hline \text { Description: } & \begin{array}{l}\text { Meets MnTC Goal Areas } 2 \text { and 4. Topics include data summary, frequency distributions, plots, } \\ \text { graphs, measures of central tendency, variation, probabilities, probability distributions and } \\ \text { confidence intervals. Hypothesis testing of means, proportions and variances will be } \\ \text { conducted using the z-test, t-test, chi-square test, f-test and ANOVA. Optional topics may } \\ \text { include nonparametric statistics, sampling and simulation. }\end{array} \\ \hline \text { Prerequisites: } & \begin{array}{l}\text { - MATH1114 } \\ \text { - or by placement exam } \\ \text { OR } \\ \text { - MATH1118 }\end{array} \\ \hline \text { Corequisites: } & \begin{array}{l}\text { Pre/Corequisites*: }\end{array} \\ \hline \text { Competencies: } & \begin{array}{l}\text { 1. Demonstrate knowledge of statistical terms and concepts. }\end{array} \\ \hline \text { 2. Organize and represent data using frequency distributions. }\end{array}\right\} \begin{array}{l}\text { 3. Organize and represent data using graphs. } \\ \text { 4. Summarize data using measures of central tendency. } \\ \text { 5. Summarize data using measures of variation and position. }\end{array}\right\}$

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[^0]:    *Can be taking as a Prerequisite or Corequisite.

