In Math 1070, students learn:

- Graphical presentation of data and interpretation
- Descriptive statistics and constructing 5-number summary
- Correlation coefficient and simple linear regression
- Introduction to types of studies and types of sampling
- Probability
- Random variables, distributions, sampling distributions and the central limit theorem
- Confidence intervals using $Z$ and $t$ distributions for single and two sample problems
- Hypothesis tests using $Z$ and $t$ distributions for single and two sample problems
- Analysis of variance using the $F$ distribution
- Tests for categorical data using the $\chi^2$ distribution