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# MTH 270 : Probability and Statistics Concepts

This course provides an examination of the theory and applications of probability and statistics based on topics from calculus. It includes probability, sample spaces, random variables, probability distributions, estimation, confidence intervals, hypothesis testing, experimental analysis, moments and moment generating functions, and computer-assisted data analysis using appropriate computer software.

**Credits** 3

**Lecture Hours** 3

**Lab Hours** 0

**Manipulative Hours** 0

**Transfer Code**

Code B

Core Course

**Prerequisite Courses**

MTH 125

**Corequisite Courses**

MTH 126