

Bachelor of Science (Honours) in Mathematics with a Major in Statistics

Course Code: **STAT1000**
 Credit Points: **12**
 Prerequisites: **None**
 Corequisites: **None**

Year 1	Year 2	Year 3 & 4
STAT1000 Mathematical Statistics	STAT2000 Statistical Inference	STAT3000 Advanced Statistical Methods

1. Objectives The primary objective of this course is to provide students with a solid foundation in the theory and practice of statistics, enabling them to apply statistical methods to real-world data analysis.

- 1. Understanding statistical concepts and methods.
 - 2. Data collection and analysis.
 - 3. Statistical inference: estimation and hypothesis testing.
 - 4. Regression analysis.
 - 5. Advanced statistical methods: Bayesian statistics and machine learning.
 - 6. Research design and reporting.
- Students will also develop critical thinking and problem-solving skills through the application of statistical methods to complex datasets.

2. Learning Outcomes By the end of this course, students should be able to:

Course Coordinator:
 Dr. Jane Smith

Course Manager:
 Mr. John Doe




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