

SEMESTER I & II
ST1232 STATISTICS FOR LIFE SCIENCES

Prerequisite: GCE 'AO' level or H1 pass in Mathematics or its equivalent

Workload: 39 lecture hours + 11 tutorial hours

This module introduces some fundamental statistical ideas that help the life science student make sense of literature and facilitate sound research practice. The textbook contains a wealth of interesting examples to illustrate the concepts. The exercises ask for both numerical calculations and qualitative statements, all aiming to foster the mastery of concepts. It is absolutely essential to read the textbook and work through assigned exercises every week.

S/N	Topics	Hours
1.	Design of Experiments	3
2.	Descriptive Statistics	6
3.	Correlation and Regression	6
4.	Probability	3
5.	Chance Variability	6
6.	Sampling	6
7.	Chance Models	3
8.	Tests of Significance	6
Total Lectures: 39 h		
Tutorials: 11 h		
Total hours		50

REFERENCE BOOK:

Agresti, Franklin and Klingenberg. *Statistics the Art and Science of Learning from Data, 4e*, Pearson.

ASSESSMENT: 40% CA, 60% Final Exam.

MODULE CO-ORDINATOR & LECTURER:

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