

STAT. 106
Biostatistics
Semester I, 1428/1429 H.

Text Book:

Elementary Biostatistics with Applications from Saudi Arabia. by Nancy-A. E. Hasabelnaby.

Course Outline:

Week	Chapter	Material to be covered
1 , 2	1	-Introduction -Organizing and Displaying Data
3 , 4, 5	2	All the material as given in Chapter 2: -Basic Summary Statistics -Measures of Central Tendency: Mean, Median, Mode -Measures of Dispersion: Variance, Standard Deviation, Coefficient of Variation -Calculating Measures from an Ungrouped Frequency Table -Approximating Measures from Grouped Data
6 , 7, 8	3	-Basic concepts of Probability -Conditional Probability and the concept of independence -Combinations
9, 10 , 11, 4 12	4	-Probability Distributions -Discrete Probability Distributions -Mean , Variance, and Cumulative Distribution Function -Binomial Distribution

		-Poisson Distribution -Continuous Distribution -Normal Distribution
13 , 14 , 15	5 1-5	-Central Limit Theorem -Estimation for the mean μ for large samples -Estimation for the proportion for large samples - Revision

Please note down the following:

- The table above is a rough plan of the material to be covered. However, each teacher will follow his own distribution of time to different topics.
- There will be two tests, each consisting of 20 marks and a final exam of 50 marks. The lab work carries 10 marks, which may include home works, and quizzes.
- Attendance in the class and the lab is required. Students coming late will be regarded absent.
- Students are advised to carry the book and a scientific calculator all the times in the class and the lab.
- Programmable calculators are not allowed during examinations.
- All exams will have multiple-choice questions.