

**Department of Statistics & Operation Research, King Saud University  
First Semester 1438/1439 H**

**STAT 106, BIOSTATISTICS-Syllabus**

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<b>Week</b>	<b>Date</b>	<b>Subjects</b>
1	26/12/1438	Introduction to Statistics & Data Analysis
2	04/01/1439	Organizing and Displaying Data
3	11/01/1439	Basic Summary Statistics
4	18/01/1439	- Measures of Central Tendency: Mean, Median, Mode - Measures of Dispersion: Variance, Standard Deviation, Coefficient of Variation
5	25/01/1439	- Calculating Measures from an Ungrouped Frequency Table - Approximating Measures from Grouped Data
6	02/02/1439	Basic concepts of Probability
<b>Midterm 1: Saturday, 7:00-8:30 PM, 05/02/1439 = 25 October 2017</b>		
7	09/02/1439	Conditional Probability and the concept of independence
8	16/02/1439	Combinations, Probability Distributions
9	23/02/1439	Discrete Probability Distributions
10	01/03/1439	Mean , Variance, and Cumulative Distribution Function
<b>Midterm 2: Saturday, 7:00-8:30 PM, 10/03/1439 = 28 November 2017</b>		
11	08/03/1439	Binomial Distribution, Poisson Distribution
12	15/03/1439	Continuous Distribution, Normal Distribution
13	22/03/1439	Central Limit Theorem, Estimation of the mean for large samples
14	29/03/1439	Estimation for the proportion for large samples
15	26/03/1438	Revision

**Lecture Notes:** STAT– 106 BIOSTATISTICS, by Dr. Abdullah Al-Shiha, file:///C:/Users/User/Downloads/A1a.pdf

**Optional book:** Elementary Biostatistics with Applications from Saudi Arabia, Second Edition. N. A. E. Hasabelnaby

**Participation, Quizzes & Home works: 10%**

**Midterm I: 25% (up to the end of chapter 2)**

**Midterm II: 25% (Chapters 3 and 4)**

**Final Exam: 40% (Chapters 9, and 10)**