Jordan University of Science and Technology
Faculty of Medicine
Public Health Department

PH311 Biostatistics
Second Semester 2023-2024

Course Catalog
2 Credit Hours. Biostatistics is the application of statistical methods that includes summarizing data and drawing conclusions from data related to humans and their health problems. The course provides basic knowledge on the science of biostatistics, including terminology, concepts, theories, evidence ? based practice and general application. Students taking the course are expected to obtain background knowledge on descriptive and analytical methods that are used to estimate associations between variables and develop a solid foundation of research methods in their perspective fields of education in medical and health sciences.
Teaching Method: Electronic Course

Text Book	
Title	Biostatistics: A foundation for analysis in the health sciences
Author(s)	Wayne W. Daniel.
Edition	10th Edition
Short Name	Ref
Other Information	

Instructor	
Name	**Dr. Rami SAADEH**
Office Location	-
Office Hours	
Email	rasaadeh@just.edu.jo

Class Schedule & Room

Section 1:
 Lecture Time: Sun : 17:00 - 18:00
 Room: منصة الكترونية متزامن الحضور

Section 2:
 Lecture Time: Mon : 17:00 - 18:00
 Room: منصة الكترونية متزامن الحضور

Tentative List of Topics Covered		
Weeks	**Topic**	**References**
Week 1	Introduction to Biostatistics	From **Ref**
Week 2	Sampling	
Week 3	Frequency distribution	
Week 4	Measures of Central Tendency	
Week 5	Normal Distribution	
Week 6	Dispersion and variability	
Week 7	Midterm Exam	
Week 8	Probability	
Weeks 9, 10, 11, 12, 13	Hypothesis testing	
Week 14	Self-study and revision	
Weeks 15, 16	Final exam	

Mapping of Course Outcomes to Program Outcomes	**Course Outcome Weight (Out of 100%)**	**Assessment method**
Describe basic concepts in the science of biostatistics.	20%	
Describe the roles of biostatistics in the field of public health and medicine.	20%	
Apply basic statistical concepts commonly used in public health and health Sciences	20%	
Demonstrate basic analytical techniques to generate results	20%	
Apply descriptive techniques commonly used to summarize public health data.	20%	

Evaluation	
Assessment Tool	**Weight**

Midterm	50%
Final	50%

Policy	
Absence from attending an exam	A formal and approved excuse for any absence from the Midterm or Final exams is required.

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