Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic Accreditation
Accreditation Department

Academic Program and Course Description Guide

Course Description Form

1. Course Name:
Biostatistics
2. Course Code:
3. Semester / Year:
Semester
4. Description Preparation Date:
11/3/2024
5. Available Attendance Forms:
Full Attendance
6. Number of Credit Hours (Total) / Number of Units (Total)
28 theoretical hours.
7. Course administrator's name (mention all, if more than one name)
Name: Dr. Burqa Adnan
8. Course Objectives
• Giving students a basic idea of the basic principles of statistics and the possibility of its results in achieving scientific results for the second time in the field of nursing and accounting to follow up the exit and reach accurate scientific results. • In this chapter nine student lectures, how to perform statistical operations in the morgue. • Learn about statistical equations, new types, and statistical methods appropriate for each type. • Apply knowledge in analyzing new results and extracting results that fit the browser's goals. • Modern programs help in analyzing the results
9. Teaching and Learning Strategies

Strategy	1-Educational strategy, collaborative concept planning. 2- Brainstorming education strategy. 3- Education Strategy Notes Series

10. Course Structure					
Week	**Hours**	**Required Learning Outcomes**	**Unit or subject name**	**Learning method**	**Evaluation method**
1.	2 hours	Apply knowledge in analyzing research results. Using optimal statistics to analyze results consistent with the research objectives.	Introduction Definition of statistics. The goal of statistics Some statistical terms The importance of statistics in nursing	blackboard, PowerPoint, statistics assignments, Internet searches, review of lesson sources,	Daily and monthly exams and the end-of-semester exam.
2.	2 hours		Types of life statistics Descriptive statistics Inferential statistics		
3.	2 hours		Tabular display of data First: Frequency table Second: Relative frequency table		
4.	2 hours		Third: Percentage frequency table Fourth: Aggregated frequency table		
5.	2 hours		Introduction to statistical metrics Measures of central tendency 1. Arithmetic mean (average) a. Arithmetic mean of ungrouped data B. Arithmetic mean of classified data		
6.	2 hours		Median Median for ungrouped data Median for classified data Characteristics of the median Disadvantages of the median		
7.	2 hours		Mode a. Mode for ungrouped data B. Mode for tabulated data Advantages of loom Mode defects The relationship between the arithmetic mean, median, and		

			mode		
8.	2 hours		Measures of dispersion Term Range for tabulated data Range for tabulated data		
9.	2 hours		variance Variance for ungrouped data		
10.	2 hours		Variance for tabulated data		
11.	2 hours		standard deviation Standard deviation of ungrouped data Standard deviation of tabulated data		
12.	2 hours		The relationship between range and standard deviation And contrast		
13.	2 hours		Introduction to the Statistical Package for the Social Sciences (SPSS) Program windows Contents of the Variables window		
14.	2 hours		Pearson correlation coefficient Spearman correlation coefficient		

15. Course Evaluation

The distribution is as follows: 30 marks for the monthly and daily exams, 70 marks for the final exam.

16. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Biostatistics / Adnan Shamkhi
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	