

AHST 108 Basic Statistics

(2025)

1. Basic Information

Course Title (according to the bylaw)	Basic Statistics			
Course Code (according to the bylaw)	AHST 108			
Department/s participating in delivery of the course	Level One			
Number of credit hours/points of the course (according to the bylaw)	Theoretical	Practical	Other (specify)	Total
	2	2	-	3
Course Type	.Choose an item			
Academic level at which the course is taught	الفرقة/المستوي الاول			
Academic Program	Technology of Radiology and Medical Imaging			
Faculty/Institute	High Technology Institute of Applied Health Sciences			
University/Academy	Nile Delta for sciences			
Name of Course Coordinator	Dr. Hager Ahmad Ibrahim			
Course Specification Approval Date	.Click or tap to enter a date			
Course Specification Approval (Attach the decision/minutes of the department /committee/council)				

2. Course Overview (Brief summary of scientific content)

...This course introduces the principles, the basic methodology and the concept of statistic to the students. The application of statistics in the medical problems using the methods of the sampling, data collection and presentation are stressed upon to plan the suitable medical sciences care.

3. Course Learning Outcomes CLOs

Matrix of course learning outcomes CLOs with program outcomes POs (NARS/ARS)

Program Outcomes (NARS/ARS) (according to the matrix in the program specs)		Course Learning Outcomes Upon completion of the course, the student will be able to:	
Code	Text	Code	Text
A.1	Understand and deal with the .interdisciplinary sciences		4.1.1- Participate in teamwork harmoniously and exhibit collaborate effectively with colleagues and other health care professionals
B.1	Use computers and software to .analyze problems		
C.2	Apply statistical skills in data .manipulation & presentation		
D.2	Manage multiple tasks and .conduct research projects		
D.4	Adapt to new technologies and .methods		
D.5	Be Committed to learning, attending workshops & field .training		
D.6	Participate in teamwork harmoniously and exhibit collaborate effectively with		

Program Outcomes (NARS/ARS) (according to the matrix in the program specs)		Course Learning Outcomes Upon completion of the course, the student will be able to:	
Code	Text	Code	Text
	colleagues and other health .care professionals		

4. Teaching and Learning Methods

Interactive Lectures
Discussion and brainstorming.
Case study
Self-Directed Learning (SDL)

Course Schedule

5. Methods of students' assessment

No .	Number of the Week	Scientific content of the course (Course Topics)	Total Weekly Hours	Expected number of the Learning Hours				Marks
				Theoretical teaching (lectures/discussion groups/)	Training (Practical/ Clinical/)	Self-learning (Tasks/ Assignments/ Projects/ ...)	Other (to be determined)	
	1	Identifying the course plan and its importance	3	Number)	2			
1	2	Medical Study Types	3	2	2			
	3	Types of Variables and Data	3	Every 2 week	10			10%
	4	Collecting the Data	3	2	2			
	5	SPSS software	3	14	20			20%
	6	Practical applications	3	2	2			
	7	MidTerm						
	8	Measures of central tendency	3	2	2			
	9	Practical applications	3	2	2			
	10	Measures of Data variability	3	2	2			
	11	Practical applications	3	2	2			
	12	Probability	3	2	2			
	13	Practical applications	3	2	2			
	14	Practical applications II	3	2	2			
	15	Practical applications III	3	2	2			
	16	Practical Exam						
	17	Final Exam						

*** The methods mentioned are examples, the organization may add and/or delete**

6. Learning Resources and Supportive Facilities *

Learning resources (books, scientific references , etc.) *	The main (essential) reference for the course (must be written in full according to the scientific documentation method)	Basic Statistics for Understanding Medical Sciences, Prof. Dr. Mahmoud Riad Mahmoud and Dr. Hager Ahmad Ibrahim ISBN: 21204/2021
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	Other References	
	Electronic Sources (Links must be added)	
	Learning Platforms (Links must be added)	https://bislms.mans.edu.eg/moodle2025/course/view.php?id=762
	Other (to be mentioned)	
Supportive facilities & equipment for teaching and learning *	Devices/ Instruments	
	Supplies	
	Electronic Programs	SPSS software
	Skill Labs/ Simulators	
	Virtual Labs	
	Other (to be mentioned)	

*** The list mentioned is an example, the institution may add and/or delete depending on the nature of the course**

**Name and Signature
Course Coordinator**

**Name and Signature
Program Coordinator**