Course Description Form

1.	Cour	Course Name: Statistical applications					
	• •						
2.	Cour	rse Code:					
3.	3. Semester / Year:1-2 2023/2024						
	,						
4.	Desc	cription Preparation Date 2023/2024					
5.	5. Available Attendance Forms: Daily attendance						
6.	6. Number of Credit Hours (Total) / Number of Units 4 Hours (Total) 30 week						
7.	7. Course administrator's name (mention all, if more than one name)						
Hasana	ain A	. Odhar	·			,	
Email:	hass	aninathar@g.alzahı	ı.edu.iq				
					Cour	se Objectives .A	
		C	ourse Objectives I	earnir			
		0					
Learning of statistical screening Learning of study design					•		
				Carry out statistical analysis •			
9. Teaching and Learning Strategies							
Strategy 1. Education Strategy Collaborative Concept Planning					nning		
		2- Brainstorming education strategy.					
		3. Education Strategy Notes Series					
		4- Presentation, training, discussion research and reports					
10. Course Structure							
Week	Но	Required Learning	Unit or subject r	name	Learning	Evaluation method	
	urs	Outcomes			method		
	U	Cutoomico					
1	4	Knowledge	Introduction		Use the	Daily exam and	
		0			whiteboard and display	oral questions	

2	4		Data types	Use the whiteboard	Daily exam and
		Knowledge		and display	oral questions
3	4		Binomial	Use the whiteboard	Daily exam and
		Knowledge	distribution	and display	oral questions
4	4	5		Use the	D-11
4	7	Knowledge	Data	whiteboard	Daily exam and
		J	description I	and display	oral questions
5	4	77 1 1	Data	Use the	Daily exam and
		Knowledge	description II	whiteboard	oral questions
6	4		*	and display Use the	-
	4	Knowledge	Sample and	whiteboard	Daily exam and
		imowieage	population	and display	oral questions
7	4	Knowledge	Types of	Use the	Daily exam and
	_		clinical trials	whiteboard	oral questions
			cillical trials	and display	oral questions
8	4	Vnovilodgo	Daviou	Use the whiteboard	Daily exam and
		Knowledge	Review	and display	oral questions
9			Mid-term	and display	-
9					
			exam		
10	4	77 . 1 1	Data	Use the	Daily exam and
		Knowledge	analysis I	whiteboard	oral questions
11	1			and display Use the	
11	4	Knowledge	Data analysis II	whiteboard	Daily exam and
		imovicage	Data analysis ii	and display	oral questions
12	4	Knowledge	Principle of	Use the	Daily exam and
12			-	whiteboard	oral questions
			probability I	and display	oral questions
13	4	Unaveladas	Principle of	Use the whiteboard	Daily exam and
		Knowledge	probabilitry II	and display	oral questions
14	4	Knowledge	F	Use the	D '1 1
14	1		Review	whiteboard	Daily exam and
		111101110000		and display	oral questions
15			Course I	Use the	Daily exam and
			final exam	whiteboard	oral questions
4.6			imai caam	and display	orar questions
16	4	Knowledge	Correlation	Use the whiteboard	Daily exam and
		Kilowieuge	Conciation	and display	oral questions
17	4			Use the	Doily areas as 1
1/	7	Knowledge	Regression	whiteboard	Daily exam and
		8-	<u> </u>	and display	oral questions
19	4	Knowledge Knowledge	Review of	Use the	Daily exam and
			data analysis	whiteboard	oral questions
	1		•	and display Use the	
	4		Unpaired t-	whiteboard	Daily exam and
		Milowicuge	test	and display	oral questions
20	4	Knowledge		Use the	Daily arom and
	1		Paired t-test	whiteboard	Daily exam and
				and display	oral questi ons
21	4	17 11	One tail vs	Use the	Daily exam and
		Knowledge	two tail t-test	whiteboard	oral questions
		l	tho tall t tost	and display	1

22	4	Knowledge	Non- parametric test	Use the whiteboard and display	one amortions
23	4	Knowledge	ANOVA test	Use the whiteboard and display	Daily exam and
24	4	Knowledge	Kruskal wallis test	Use the whiteboard and display	Daily exam and oral questions
25	4	Knowledge	Review	Use the whiteboard and display	orol guagtions
26	4		Mid-term exam		
27	4	Knowledge	Chi-square test	Use the whiteboard and display	one arrestions
28	4	Knowledge	Sensitivity and specificity	Use the whiteboard and display	
29	4	Knowledge	Review	Use the whiteboard and display	
30			Final exam		

11. Course Evaluation

5 marks are calculated on reports

5 points are calculated on daily exams

5 degrees are calculated on the daily preparation

And the rest of the grade is for the monthly exams

12. Learning and Teaching Resources

Biostatistics Books			
Curriculum scheduled within t sectoral committees			
Principle of biostatistics and mathematics			
GraphPad prism guideline			

Assist lecturer: Hasanain A Odhar