Academic program description form

University Name…Basrah……

Faculty / Institute Economics and Administration……

Scientific Department …statistics…….

Academic or Professional Program Name …Bachelor's degree…….

Final Certificate Name Bachelor of Science in Statistics…….

Academic system …courses……..

Description Preparation Date: 25 /2/2024

File completion Date : 25/2 /2024

Signature:

Head of Department Name :

Date:

Signature:

Scientific Associate Name:

Date:

The file is checked of quality assurance and university performance

Director of the quality assurance and university performance department:

Date :

Signature:

Approval of the Dean

1. Program vision
Program vision is written here as stated in the university`s catalogue and website

2. Program mission
Program mission is written here as stated in the university`s catalogue and website

3. Program objectives
General statements describing what the program or institution intends to achieve

4. Program accreditation
Does the program have program accreditation? And from which agency?

5. Other external influences
Is there a sponsor for the program?

6. Program structure

Program structure	Number of courses	Credit hours	Percentage	reviews
Institution requirements				
College requirements				
Department requirements				
Summer training				
Other				

- This can include notes whether the course is basic or optional

7. Program description				
Year/ level	Course code	Course name	Credit hours	
			Theoretical	Practical

8. Expected learning outcomes of the program	
Knowledge	
Learning outcomes 1	Learning outcomes statement 1
Skills	
Learning outcomes 2	Learning outcomes statement 2
Learning outcomes 3	Learning outcomes statement 3
Ethics	
Learning outcomes 4	Learning outcomes statement 4
Learning outcomes 5	Learning outcomes statement 5

9. Teaching and learning strategies
Teaching and learning strategies and methods adopted in the implementation of the program in general
10. Evaluation methods
Implemented at all stages of the program in general

11. Faculty						
Faculty members						
Academic rank	**Specialization**		**Special requirements/skills if applicable)**		**Number of teaching staff**	
	General	**Special**			**Staff**	**Lecturer**
Lecturer	**statistics**	**Applied statistics**	**Experience in the computer field**	**Using statistical program SPSS**	**staff**	

Professional development
Mentoring new faculty members
Briefly describes the process used to mentor new ,visiting ,full-time ,and part time faculty at the institution and department level.
Professional development of faculty members
Briefly describe the academic and professional development plan and arrangements for faculty such as teaching and learning strategies , assessment of learning outcomes , professional development…etc

12.Acceptance criterion
(setting regulations related to enrollment in the college or institute, whether central admission or others)

13.The most important sources of information about the program
State briefly the sources information about the program
14.Program development plan

Program skills outline															
Required program learning outcomes															
Year / level	**Course code**	**Course name**	**Basic or optional**	**Knowledge**				**Skills**				**Ethics**			
				A1	**A2**	**A3**	**A4**	**B1**	**B2**	**B3**	**B4**	**C1**	**C2**	**C3**	**C4**

❖ **Please tick the boxes corresponding to the individual program learning outcomes under evaluation**

Course description form

1. Course name
Experimental design (1)
2. Course code
3. Semester / year :
Semester
4. Description preparation date :
24/2 2024
5. Available attendance form :
weekly
6. Number of credit hours (total) / number of units (total)
45 hours
7. Course administrator`s name (mention all, if more than one name)
Name :Fatimah Hashim Falhi **Email : fatima.falhi@uobasrah.edu.iq**
8. Course objectives

Course objectives	• **The course aims to teach students the basic concepts of designing experiments.** • **Teaching students how to choose the appropriate design for an experiment conducted to simulate a specific phenomenon.** • **As well as teaching students to use the appropriate analysis for that experience and how to use ready-made programs to obtain accurate results in the shortest time**

9. Teaching and learning strategies

Strategy	**In-person lectures** **Discussion style**

10. Course structure

Week	hours	Required learning outcomes	Unit or subject name	Learning method	Evaluation method
First	3 hours	Preparing the student scientifically and educationally according to solid scientific foundations Using the acquired information in the field of life	Basic concepts in experimental design Design of experiments with way classification Design of experiments with two way classification Completely randomized design	In-person lectures	Daily and monthly attendance tests Assigning the student to homework assignments Observation procedure
the second	3 hours			In-person lectures	
the third	3 hours			In-person lectures	
the fourth	3 hours			=	
Fifth	3 hours			=	
VI	3 hours			=	
Seventh	3 hours			=	
VIII	3 hours			=	
Ninth	3 hours			=	

The tenth eleventh twelveth Thirteenth fourteenth Fifteenth	3 hours 3 hours 3 hours 3 hours 3 hours		Test for homogeneity of variances Multiple comparisons First month exam Independent comparisons Randomized complete block design Missing values in a completely randomized block design Incomplete randomized block design Second month exam Latin square design Missing values in the Latin square design The final exam	= = = = = = = = = = = = = = = = = =	Discussion procedure Brainstorming

11. Course evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation , daily oral , monthly or written exams, reports ….etc

12. Learning and teaching resources	
Required textbooks (curricular books, if any)	**The book Design and Analysis of Experiments by Professor Kamal Alwan Al-Mashhadani**
Main references (sources)	**The book Design and Analysis of Agricultural Experiments by Dr. Khashi Al-Rawi**
Recommended books and references (scientific journals, reports	**The first part and the second part of the book Designing Experiments by Professor Kamal Alwan Al-Mashhadani, University of Baghdad**
Electronic references, website	**Lectures on experimental design published on the Internet**