



Republic of Iraq  
Ministry of higher education & scientific research  
University of Basrah  
College of administration & Economics  
Division of Quality Assurance and University Performance



**Scientific plan model for scientific departments**  
**College of Administration and Economics**  
**For the academic year 2023-2022**

**Statistics Department**

## Department plan

Firstly:

### Vision /

The Department of Statistics aspires to be one of the academic departments that is scientifically distinguished in teaching students specialized statistical subjects and providing scientific and statistical consultations needed by government departments and others to serve the community. It seeks to develop its scientific curricula and the competence of its teachers to reach the ranks of statistics departments in Arab and later international universities. Applying and ensuring quality specifications, as well as striving to strengthen cultural and scientific relations between the ranks of his professors and the outside world in various scientific and research aspects.

### Mission /

The Department of Statistics at the College of Administration and Economics / University of Basra seeks to provide the best academic levels to its students through giving lectures by the department's teachers and developing the students' capabilities in the field of computers and data analysis, as well as providing the best services and consultations in the statistical fields to all parties that exchange benefits and interests with the university. Serving the community by giving scientific lectures in development courses, as well as holding computer courses to train employees and raise their efficiency in using it and improving its performance.

### Strategic goals /

- 1- The quality policy that is hoped to be implemented in the department is to spread this culture among the ranks of teachers and students alike in order to raise the academic level and the achievements of this department.
- 2- Emphasis on completing scientific curricula and developing them in a way that is compatible with scientific and technological development and in line with the needs of the labor market.
- 3- Spreading moral values and good behavior among students and emphasizing the necessity of adhering to university regulations and instructions.

## Second: The teaching staff for the academic year 2023-2022

N.	Full name	Certificate	Date obtained	Donor country	Date of Hiring	Scientific title	Date of obtaining	Precise specialization
1	Rrsan abdul imam	PhD	2216	Iraq	1/9/2223	Assist. Prof.	2219/12/15	Applied statistics
2	Ali Nasir Hussein	PhD	2216	Iraq	2/6/2223	Assist. Prof	23/3/2021	Applied statistics
3	Widad idoar wadi	PhD	1996	Iraq	25/9/1985	Assist. Prof.	2219/3/28	Econometrics
4	Nada badir jarah	Master	2222	Iraq	23/11/1983	Prof.	14/2/2221	Computer networks
5	Sahira Hussein	Master	2228	Iraq	32/12/1994	Prof.	2223/1/12	Applied statistics

6	Bahaa abdul razaq	PhD	2221	Iraq	1/12/2224	Assist. Prof.	2221/1/18	Counting
7	Wafaa abdul samad	Master	1993	Iraq	1988	Assist. Prof.	23/3/2021	Applied statistics
8	Zainab sabih	Master	1996	Iraq	1992	Lect.	7/5/2018	Calculators
9	Fatima hashim	Master	2008	Iraq	1/8/1998	Lect.	22/5/2018	Counting
10	Nadia ali	Master	2005	Iraq	9/1/2006	Assist. Prof.	4/10/2020	Counting
11	Duraid Hussein	PhD	2017	Iraq	1/12/2011	Assist. Prof.	19/1/2020	Applied statistics
12	Asmaa ayoub	PhD	2021	Iraq	2012	Lect.	6/3/2017	Counting
13	Muhammad musa	Master	2011	India	2012	Lect.	3/12/2015	Mathematics
14	Muna tahir gafil	Master	2006	Iraq	1993	Lect.	22/5/2018	Counting
15	Ali abdul zahraa	Master	2014	Iraq	11/7/2004	Lect.	5/7/2021	Counting
16	Ahmed hisham	Master	2015	Iraq	30/11/2004	Lect.	2020	Counting
17	Rihab ahmed abd	Master	2022	Iraq	27/8/2008	Lect.	20/4/2022	Counting
18	Muntadar jumaah	master	2021	Iraq	2016	Lect.	2/11/2021	Applied statistics

### Number of the teaching staff according to certificate and academic titles

Certificate				total		Scientific title								Total	
Master		PhD				Assist. Lect.		Lect.		Assist. Prof.		Prof.			
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
3	8	5	2	8	10	0	0	3	5	5	4	0	1	8	10

### Third: Staff

N	Name	Certificate	Job title	Date of hiring	His work
1	Inaam abdul amir	Bachelor	Head research	1/12/1993	Preparing list for students in the four stages and following up on confirmation the four stages
2	Wafaa ali adil	Bachelor	Head research	1992	Follow up on the absences in the four stages
3	Inas jassim	Bachelor	Assist. Head. Statistical	7/1/2223	Teaching lecturers
4	Zainab muhssien	Bachelor	Assist. Statistic	16/9/2213	Department secretariat
5	Ilham ryssin	Bachelor	Head research	1994	Five years leave
6	Marwa muslim abdul rida	Bachelor	Job title		The quality

### Fourth: Students affairs

## A- Preliminary study

Stage	branch	Morning study	Evening study	total
First		120	--	120
Second			0	28
Third		67	1	68
Fourth		81	4	85
total		296	5	301

## **B - Postgraduate studies**

### **Writing stage**

N.	Full Name	Obtained certificate	Certificate wish to get	Date of starting	Date of ending	Name of supervisors
1	Ayat fakher	Bachelor	Master	2022/7/1	2023/9/19	Assist. Prof. Dr. Bahaa Abdul razaq
2	Fatima Othman	Bachelor	Master	2022/11/1	2023/9/19	Prof. Sahira Hussien
3	Hassan Abdul Hadi	bachelor	master	2022/9/21	2023/6/25	Assist. Prof. Dr. Ryssan Abdul imam
4						
5						
6						

### **Second / courses stage**

No.	Full Name	Obtained certificate	Certificate wish to get	Date of work in the department
1	Ahmed abdul jabar	Bachelor	Master	2022/9/4
2	Zainab muslim nasir	Bachelor	Master	2022/9/4
3	Ali Abdulla Ibrahim	Bachelor	Master	2022/9/4
4	Qatir al nada ali	Bachelor	Master	2022/9/4
5	Zainab Ibrahim	Bachelor	Master	2022/9/4
6	Anwar fawzi	Bachelor	Master	2022/9/4
7	Iftekhar baqer	Bachelor	Master	2022/9/4
8	Ayait jawad shaman	Bachelor	Master	2022/9/4
7	Muhammad ali	Bachelor	Master	2022/9/4
8	Mustafa abdul razaq	Bachelor	Master	2022/9/4
9	Mukhtar ali Hussein	Bachelor	Master	2022/9/4

## Withdrawals and cancellation

N.	Full name	Certificate wish to get	Position

### Fifth: Subjects

#### A- Preliminary Study

#### First Stage

First course					Second course				
No.	Subjects	Lecturer name and scientific title	Hours number	Units number	Objects	Lecturer name and scientific title	Hours number	Units number	
1	Statistics 1	Lect. Fatima Hashem Falhi	4	4	Statistics 2	Lect. Fatima Hashem Falhi	4	4	
2	Calculus	Assist. Prof. Wafa Abdel Samad Ashour	3	3	Integration	Assist. Prof. Wafa Abdel Samad Ashour	4	3	
3	administration	Assist. Prof. Sahira Abdel Khader	2	2	Arabi	Assist. Prof. Abbas Abdel Aziz Sayhoud	2	2	
4	rights	Assist. Lect. Rehab Ahmed Abd	1	1	Computers 2	Lect. Zainab Sobeih	3	2	
5	freedom	Assist. Prof. Imad Farag	1	1	accounting	Assist. Lect. Bushra Ali Habib	2	2	
6	English	Assist. Prof. Fatima Hussein Aziz	2	2	Economy	Assist. Prof. Widad Adwar Wadi	2	2	
7	Computers	Lect. Zainab Sobeih	3	2	Statistics 2				
<b>Total</b>			<b>16</b>	<b>15</b>	<b>Total</b>			<b>17</b>	<b>15</b>

#### Second Stage

Second course					Second course				
N.	Objects	Lecturer name and scientific title	Hours number	Units number	Objects	Lecturer name and scientific title	Hours number	Units number	
1	Properties	Lect. Mona Taher gafil	3	2	Distribution	Lect. Mona Taher	3	3	
2	sample	Assist. Prof. Dr. Duraid Hussein Badr	3	3	Control 2	Lect. Ali Abdel Zahra Hassan	2	2	
3	Control 1	Lect. Ali Abdel Zahra Hassan	2	2	Survey	Assist. Lect. Rehab Ahmed	3	3	
4	Sequences	Assist. Prof. Wafa Abdel Samad Ashour	3	3	Function	Assist. Prof. Wafa Abdel Samad Ashour	3	3	
5	Programming 1	Prof. Nada Badr Jarrah	3	2	Liner Algebra	Assist. Lect. Montazer Juma Mahdi	3	3	
6	Matrices	Assist. Lect. Montazer Juma Mahdi	3	3	Programming 2	Prof. Nada Badr Jarrah	3	2	
7	Economy 1	Assist. Prof. Dr. Widad Adwar Wadi	2	2	Economic 2	Assist. Prof. Dr. Widad Adwar Wadi	2	2	
<b>Total</b>			<b>19</b>	<b>17</b>	<b>Total</b>			<b>19</b>	<b>18</b>

### Third Stage

Second course					Second course				
N.	Objects	Lecturer name and scientific title	Hours number	Units number	Objects	Lecturer name and scientific title	Hours number	Units number	
1	Numerical	Assist. Prof. Wafaa Abdul Samad	3	2.5	Numerical 2	Assist. Prof. Wafa Abdel Samad Ashour	3	2.5	
2	Demography	Assist. Lect. Rehab Ahmad	2	2	Demographic 2	Assist. Lect. Rehab Ahmed Abd	2	2	
3	decline	Assist. Prof. Sahera Hussein	3	3	Regression 2	Assist. Prof. Sahira Hussein Zein	3	3	
4	Liner programming	Assist. Prof. Dr. Bahaa Abdul Razaq	3	2.5	Operations research	Assist. Prof. Dr. Bahaa Abdel Razaq Qasim	3	2.5	
5	Vital	Lect. Ahmed Hisham	2	2	Vital 2	Lect. Ahmed Hisham Mohamed	2	2	
6	Statistics 1	Assist. Prof. Dr. Ryssan Abdul Imam	3	3	R2 statistic	Assist. Prof. Prof. Dr. Raysan Abdel Imam Zaalan	3	3	
7					Research methodology	Assist. Lect. Rehab Ahmed Abd	1	1	
<b>Total</b>			<b>16</b>	<b>15</b>	<b>Total</b>			<b>17</b>	<b>16</b>

### Fourth stage

Second course					Second course				
N.	Objects	Lecturer name and scientific title	Hours number	Units number	Objects	Lecturer name and scientific title	Hours number	Units number	
1	Inference	Assist. Prof. Dr. Duraid Hussein Badr	3	3	Inference	Assist. Prof. Dr. Duraid Hussein Badr	3	3	
2	Application 1	Assist. Prof. Dr. Ali Nasser Hussein	2	2	Application 1	Assist. Prof. Dr. Ali Nasser Hussein	3	2	
3	Design 1	Assist. Prof. Dr. Bahaa Abdel Razaq	3	3	Design 1	Assist. Prof. Dr. Bahaa Abdel Razaq	3	3	
4	Multiple 1	Lect. Mona Taher	3	3	Multiple 1	Lect. Mona Taher	2	2	
5	Standard1	Assist. Prof. Sahira Hussein Zein	3	3	Standard1	Assist. Prof. Sahira Hussein Zein	3	3	
6	Chains 1	Assist. Prof. Dr. Raysan Abdel Imam	2	1.5	Chains 1	Assist. Prof. Dr. Raysan Abdel Imam	2	1.5	
<b>Total</b>			<b>16</b>	<b>15.5</b>	<b>Total</b>			<b>16</b>	<b>14.5</b>

## Postgraduate studies

### PhD

N.	Objects	Lecturer name and scientific title	First course		Objects	Second course Lecturer name and scientific title	Second course	
			Hours number	Units number			Hours number	Units number
1								
2								
3								
4								
5								
<b>Total</b>					<b>Total</b>			

Objects	Lecturer name and scientific title	Third course	
		Hours number	Units number
<b>Total</b>			

### Master

N.	Objects	Lecturer name and scientific title	First course		Objects	Lecturer name and scientific title	Second course	
			Hours number	Units number			Hours number	Units number
1	Mathematical statistics	Assist. Prof. Dr. Ryssan Abdul Imam	2		Operation research	Assist. Prof. Dr. Bahaa Abdul Razaq		
2	Multivariable	Assist. Prof. Dr. Walid Mia Rodin	2		Chains	Assist. Prof. Sahira Hussein		
3	Economic measurement	Assist. Prof. Dr. Widad Idouar	2		Probability	Assist. Prof. Dr. Duraid Hussein		
4	programming language	Assist. Prof. Dr. Bahaa Abdul Razaq	2		methodology	Assist. Prof. Dr. Ryssan Abdul Imam		
5	Linear models	Assist. Prof. Sahira Hussein	2		Design	Assist. Prof. dr. ali nasir		
					Inference	Assist. Prof. Dr. Wafaa Abdul Samad		
6	English	Assist. Prof. Fatima Hussein	2					
<b>Total</b>					<b>Total</b>			

## Higher Diploma

N.	Objects	Lecturer name and scientific title	First course	Objects	Lecturer name and scientific title	Second course
			Units N.			Units N.
1						
2						
3						
4						
5						
Total				Total		

## Lecturer research planned for completion

N.	Lecturer name	Research title	Starting date	Ending date
1	Assist. Prof. Dr. Ryssan Abdul Imam	Using a new nomogram distribution to estimate the Corona survival function 2- Comparison between the exponential distribution and Marshall Olkin exponential to estimate the survival function of Corona patients 3- Estimating the parameters and survival function of a proposed mixed distribution using some estimation methods through simulation 4-comparison of the standard bayes method with maximum likelihood of estimating the parameters of the force distribution 5-mathematical statistician and engineering applications (MSEA)	1/9/2022 1/9/2022 1/9/2022 1/9/2022	
2	Assist. Prof. Dr. Widad Idouar	The role of the tourism sector in the growth of GDP in Iraq (an econometric study)		
3	Assist. Prof. Dr. Duraid Hussein Badr			
	Assist. Prof. Dr. Ali Nasir	1- Reliability of the fuzzy sequential system (stress-strength) for the Weibull distribution of the model (1 + 1) using the simulation method.		
4	Assist. Prof. Dr. Bahaa Abdul Razaq	2-4th international scientific conference of Alkafeel University, iscku2022		
5	Assist. Prof. Dr. Wafaa Abdul Samad	1- Estimating the reliability and risk functions for the extended probability distribution (MOElum) with the application		
6	Assist. Prof. Sahira Hussein	1. Hybridization of Artificial Neural Network with Supporting Vector Regression in Modeling and Forecasting / With Application 2. Estimation of adaptive parameters in a nonparametric regression 3. Optimization of Hybridization of Artificial Neuron		



		with Chaotic Genetic Algorithm in Prediction Process/With Practical Application 4. Nonparametric adaptive smoothing with practical application .		
7	Assist. Prof. Nadia Ali			
8	Lect. Ali Abdul Zahra	-Constructing a new exponential distribution in the polar coordinate system with an application using simulation. 2- Use the maximum likelihood method to compare the estimated parameters of the Weibull distribution in polar coordinates and Cartesian coordinates. 3-A comparison between some goodness-of-fit tests for the Waybill distribution in polar and Cartesian coordinates.		
10	Lect. Asmaa Yaaqub	1-Structural Equations Modeling in an Applied Study to Analyze the Impact of Environmental Health on the Human Health Index in Basrah Governorate 2-The Standard Analysis of the Factors Affecting the Growth of Agricultural Product in Iraq For The Years 2004-2020 And it's Prediction Using Probabilistic Neural Network		
11	Lect. Muna Tahir	Using neural networks in classification		
12	Lect. Fatima Hashim			
13	Lect. Zainab sabih	Brain cancer prediction system using optimization techniques		
14	Assist. Lect. Rihab Ahmed	Predicting Corona deaths using Markov chains		
15	Lect. Dr. Asmaa Ayoub	1-Structural Equations Modeling in an Applied Study to Analyze the Impact of Environmental Health on the Human Health Index in Basrah Governorate. Dr.Asmaa Ayoob Yaqoob* Dr. Lamiaa Abdul-Jabbar Dawod 2-The Standard Analysis of the Factors Affecting the Growth of Agricultural Product in Iraq For The Years 2004-2020 And it's Prediction Using Probabilistic Neural Network. Widad Idwer Wadi * Asmaa Ayoob Yaqoob 3-Data Envelopment Analysis to Determine the Efficiency of Academic Institutions on the Graduate Program in University of Basrah Dr. Walid Mia Rodin , Dr. Asmaa Yaqoob , Dr. Balsam Mustafa 4-A Novel Version of the Exponentiated Weibull Distribution: Copulas, Mathematical Properties and Statistical Modeling Dr. Muhammad Al Rifaai , Dr. Asmaa Yaqoub , Dr. Imad Aldin	1/1/2023	

### **Seventh: authorship and translation planned to be completed**

n.	Author name	Book title	Starting date	importance
1	Assist. Prof. Wafaa Abdul Samad	Matrices and their applications	1/9/2022	Systematic book assignments for students
2	Lect. Muna Tahir	Matrices and their applications		Systematic book assignments for students
3				
4				
5				

### **Eighth: Lectures and Seminars Planned to be completed**

#### **Lecturers**

N.	Student name	Lecturer title		Supervisor name	Study
1	Assist. Prof. wafaa abdul samad	Laplace transforms			
2					
3					
4					
5					
6					
7					

N.	Lecturer name and scientific title	Seminar title	Date	Notes
1	Assist. Prof. sahira hussein	Fuzzy regression modeling and its hybridization with multi-objective programming approaches with application.		
2				
3				
4				
5				
6				
7				
8				

### Ninth: Scientific conference planned to be completed and participation inside & outside Iraq

N.	Lecturer name and scientific title	Conference name	place	date
1	Assist. Prof. Dr. Sahira Hussein	" Using simulations to estimate adaptive parameters in a nonparametric regression		
2				
3				
4				
5				
6				

### Tenth: Scientific Seminar planned to be completed and participated inside & outside Iraq

N.	Seminar name	Lecturer name and scientific title	place	Date
1				
2				

### Eleventh: Training course planned to be participated inside and outside Iraq

N.	Name of training course	Lecturer name and scientific title	place	Date

### Twelve: Educational Guidance

Lecturer name & Academic title	Stage	DIVISION
Lect. Fatima Hashem Falhi	First	A
Lect. Zainab Sabih Juma		B
Prof. Nada Badr Jarrah	Second	A
Assist. Prof. Dr. Wedad Idoar Wadi		B
Lect. Ali Abdul Zahra		C
		D
Assist. Prof. Wafa Abdel Samad Ashour	Third	A
Assist. Lect. Rehab Ahmed		B
Lect. Ahmed Hisham Mohamed		C
Lect. Muhammad Musa Mohsen	Fourth	A
Lect. Sahira Hussein Zein		B
Lect. Mona Taher		C

### Thirteen: Patents

Lecturer name	Titles of patents filed	Date of application

#### **Fourteenth: Expected community service**

Lecturer name	Kind of service	Date	The beneficiary	Note

#### **Fifteenth: Other scientific activities**

-Academic accreditation plan

An integrated plan for training lecturers

An integrated plan for training employees

Development of computers and laboratories

Developing classrooms

Working to provide rest rooms for female students

Determine the duties and responsibilities of each employee.

Setting special conditions for the teaching membership test.

Working to develop continuing education programs in the field of statistics.

Providing better services to the community through the advisory office and the mechanism of cooperation with public and private sector institutions.

Working to follow up on developing the competence of the faculty member in the department.

Preparing a guide for new students

Working on students' participation in decision-making within the department.

Work on preparing projects and applied research.

Working to provide curricula

Continuous evaluation of students

#### **- Curriculum development plan**

- Incorporating field studies into practical lessons at all stages in cooperation with state departments.
- Development of information technology subject.
- Developing operations research material and introducing the QSB program.
- Developing statistical software material.
- Developing students' ability to use computer skills.

- **Sixteen: committees**

- **Postgraduate Studies Committee**

N	Lecturer	Membership
1	Assist. Prof. Dr. Raysan Abdel Imam	Head
2	Assist. Prof. Dr. Bahaa Abdul Razaq	Member
3	Assist. Prof. Dr. Ali Nasser Hussein	Member

## Scientific committee

N	Lecturer	Membership
1	Assist. Prof. Dr. Raysan Abdul Imam is upset	Head
2	Prof. Nada Badr Jarrah	Member
3	Assist. Prof. Dr. Widad Idoar Wadi	Member
4	Assist. Prof. Dr. Duraid Hussein Badr	Member
5	Assist. Prof. Dr. Bahaa Abdul Razzaq Qasim	Member
6	Assist. Prof. Dr. Ali Nasser Hussein	Member
7	Assist. Prof. Sahira Hussein Zein	Member
8		Member

- **Examination committee**
- **Preliminary Study**

N.	Lecturer	Membership
1	Assist. Prof. Dr. Raysan Abdul Imam is upset	Head
2	Assist. Prof. Wafa Abdel Samad Ashour	Member
3	Assist. Prof. Dr. Bahaa Abdul Razzaq Qasim	Member
4	Lect. Ali Abdul Zahra Hassan	Member
5	Assist. Lect. Rehab Ahmed	Member
6	Lect. Muhammad Musa Mohsen	Member

## Postgraduate

N.	Lecturer	Membership
1	Assist. Prof. Dr. Ryssan Abdul Imam	Head
2	Assist. Prof. Dr. Ali Nasir	Membership
3	Assist. Prof. Dr. Bahaa Abdul Razaq	Membership

- **Academic Accreditation Committee**

N.	Lecturer	Membership
1	Assist. Prof. Dr. Ali Nasir	Head
2	Lect. Ahmed Hisham	Membership
3	Lect. Muhammad Musa	Membership
4	Lect. Fatima Hashim	Membership
5	Lect. Ali Abdul Zahra	Membership

## Curriculum Development Committee

N.	Lecturer	Membership
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<b>1</b>	Assist. Prof. Dr. Ryssan abdul imam	Head
<b>2</b>	Assist. Prof. Sahira Hussein	Membership
<b>3</b>	Assist. Prof. Wafaa Abdul samad	Membership
<b>4</b>	Lect. Muna Tahir	Membership
<b>5</b>	Lect. Zainab Sabih	Membership

### **Educational Guidance Committee**

#### **A- Preliminary study**

Prof. Nada Badir

#### **B- Postgraduate studies**

<b>N.</b>	<b>Lecturer</b>	<b>Membership</b>
<b>1</b>	Assist. Prof. Dr. Ryssan abdul imam	Head
<b>2</b>	Assist. Prof. Dr. Widad idoar	Member
<b>3</b>	Assist. Prof. Sahira Hussein	Member
<b>4</b>	Assist. Prof. Dr. Ali Hussein	Member