



Republic of Iraq  
Ministry of Higher Education and  
Scientific Research  
University of Basrah



College of Administration and Economics  
Division of Quality Assurance and University Performance

**Scientific Plan Form for Scientific Department**  
**College of Administration and Economics**  
**Statistics department**  
**For the academic year 2025-2026**

**prepared by/senior manager Weam Yassin Najim**  
**director of the quality assurance**

**translated by/ translator: Aya Imad Fawzi**

First: Vision, Mission, and Objectives

Vision:

The Department of Statistics aspires to be among the leading academic departments in teaching specialized statistical subjects and providing scientific and statistical consultations needed by government agencies and other entities, serving the community. It strives to develop its academic curricula and the competence of its faculty to reach the level of statistics departments in Arab universities and, subsequently, international universities. This will be achieved by implementing and ensuring quality standards, as well as by fostering cultural and scientific ties between its faculty and the international community in various scientific and research fields.

Mission:

The Statistics Department at the College of Administration and Economics, University of Basra, strives to provide its students with the highest academic standards through lectures delivered by faculty members and by developing students' computer skills and data analysis abilities. The department also offers the best services and consultations in statistical fields to all parties who share mutual benefits and interests with the university, serving the community by delivering scientific lectures in professional development courses and conducting computer training courses for staff to enhance their proficiency and improve their performance.

Strategic Objectives:

1-The desired quality policy to be implemented in the department is achieved by disseminating this culture among both faculty and students to elevate the academic level and achievements of the department.

2-Emphasizing the completion and development of academic curricula to align with scientific and technological advancements and meet the needs of the job market.

3-Promoting ethical values and good conduct among students and emphasizing the necessity of adhering to university regulations and instructions.

## Second: Teaching staff for the academic year 2025/2026

N	Full Name	Certification	Date of obtaining it	Donor Country	Date of appointment at the university	Scientific title	Date of obtaining it	Exact Jurisdiction
1.	Ali Nasser Hussein	PhD	2016	Iraq	2/6/2003	Assistant Professor	2021/3/23	Applied Statistics
2.	Sahira Hussein Zein	PhD	2024	Iran	30/10/1994	Professor	2022/7/11	Applied Statistics
3.	Risan Abdul Imam Zaaan	PhD	2016	Iraq	2003/9/1	Assistant Professor	2019/10/15	Applied Statistics
4.	Widad Adwar Wadi	PhD	1996	Iraq	25/9/1985	Assistant Professor	2019/3/28	Econometrics
5.	Bahaa Abdul Razzaq Qasim	PhD	2021	Iraq	1/12/2004	Assistant Professor	2021/1/18	Statistics
6.	Wafaa Abdul Samad Ashour	Master	1993	Iraq	1988	Assistant Professor	2021/3/23	Applied Statistics
7.	Nadia Ali Ayed	Master	2005	Iraq	9/1/2006	Assistant Professor	2020/10/4	Statistics
8.	Asmaa Ayoub Yaqoub	PhD	2021	Iraq	2012	Lecturer	2024/1/2	Statistics
9.	Zainab Subaih Jumaa	Master	1996	Iraq	1992	Lecturer	2018/5/7	Computers
10.	Fatima Hashem Falhi	PhD	2024	Iraq	1/8/1998	Assistant Professor	2018/5/22	Applied Statistics
11.	Mona Taher Ghafel	Master	2006	Iraq	1993	Assistant Lecturer	2023/12/6	Statistics
12.	Rehab Ahmed Abdul	Master	2022	Iraq	2008/8/27	Assistant Lecturer	2022/4/20	Statistics
13.	Muntather Jumaa Mahdi	Master	2021	Iraq	2016	Assistant Lecturer	2021/11/2	Applied Statistics
14.	Shaimaa Qasim Mohsen	Master	2023	Iran	2002/12/22	Assistant Professor	2023/3/29	Mathematical Statistics
15.	Salwan Shaker Saleh Jabr	Master	2022	Iraq	2024/10/6	Professor	2024/10/6	Applied Statistics

### Number of teaching staff by certificates and scientific titles

Total		Scientific Title								Total		Certificate					
		Prof.		Assist. Prof.		L.		Assist. L.						PhD.		Master	
F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.		
10	5	1	0	5	3	2	0	2	2	10	5	4	3	6	2		

### Third: Staff: Staffing

N	Name	Certificate	Job title	Date of appointment	His job
1	Inam Abdul-Amir Kadhim	Bachelor	Head research	1/12/1990	Student Affairs Officer?>Martyu12
2	Wafaa Ali Adel	Bachelor	Head research	1992	Monitoring absences for all four academic years + postgraduate studies
3	Elham Abdul-Samad Muhammad	Higher diploma	Senior assistant	1992/0/5	Quality Control
4	Salma Qasim Watban Muhammad	Bachelor	Senior programming manager	1994/11/22	Computer Operations/Faculty Affairs/Department Head's Office Management
5	Inas Sabah Abdul-Wahid	Bachelor	Technical research assistant manager	2002/12/01	Department Secretary/Laboratory

### B- Postgraduate Studies

#### Writing Stage

Total	Stage	Morning Study		Evening Study	Total
	M.	F.	Total		
First					
Second	20	78	98		98
Third	11	28	39		39
Fourth	14	43	57	1	58
Total	45	149	194	1	195

### B- Postgraduate Studies

#### Writing Stage

N.	Full Name	Certificate obtained	The certificate he wants to obtain	Supervision Start date	Supervisors Name	Notes
1	Ikhlas Mahdi Saleh	Bachelor	Master		Prof. Dr. Sahera Hussein Zein	
2	Duaa Thajil Kadhim	Bachelor	Master		Prof. Dr. Sahera Hussein Zein	
3	Rahma Abdul Zahra Matar	Bachelor	Master		Assistant Professor Dr. Bahaa Abdul-Razzaq Qasim	
4	Istabraq Jawad Kadhim	Bachelor	Master		Assistant Professor Dr. Risan Abdul-Imam Zaalan + Asst. Prof.	

					Dr. Widad Adwar Wadi	
5	Fatima Ahmed Khalaf	Bachelor	Master		Assistant Professor Dr. Bahaa Abdul-Razzaq Qasim	
6	Muntadhar Muzal Abdul	Bachelor	Master		Assistant Professor Dr. Bahaa Abdul-Razzaq Qasim	
7	Hassan Jadem Abdullah	Bachelor	Master		Assistant Professor Dr. Risan Abdul-Imam Zaalan	
8	Duha Haider Ali	Bachelor	Master		Assistant Professor Dr. Ali Nasser Hussein	
9	Zainab Ali Abdullah	Bachelor	Master		Assistant Professor Mona Taher Ghafel	

### Courses Stage

N.	Full Name	Certificate obtained	The certificate he wants to obtain	The date of commencement in the department	Notes
1	Ajwan Karim Kadhim	Bachelor	Master	2025/9/1	
2	Jihan Basim Jassim	Bachelor	Master	2025/9/1	
3	Musa Adel Abdul Zahra	Bachelor	Master	2025/9/1	
4	Maryam Muhammad Abdul Razzaq	Bachelor	Master	2025/9/1	
5	Zainab Abdul Karim Qasim	Bachelor	Master	2025/9/1	
6	Zainab Mohsen Nasser	Bachelor	Master	2025/9/1	
7	Saja Ahmed Hamed	Bachelor	Master	2025/9/1	
8	Hasnaa Ahmed Abdul Zahra	Bachelor	Master	2025/9/1	
9	Ahmed Khalil Reda	Bachelor	Master	2025/9/1	

### Withdrawals and cancellation of admission

N.	Full Name	The certificate he wants to obtain	Position
	Non		

### Fifth: Subjects

#### A-Preliminary studies

##### First stage

Fist course					Second course			
N.	Subject	Lecturer name & scientific title	Hours N.	Units N.	subject	Lecturer name & scientific title	Hours N.	Units N.
1	Principles of Statistics	Assist. lect. shaimaa	5	8	Statistics	Shaimaa qasim	5	8

2	Calculus	Slwan shaker	5	8	Integration	Wafaa Abdul samad	5	8
3	Principles of Economics	Widad idoar	5	8	Computer Science Fundamentals	Slwan shaker	3	4
4	English Language	Ayad Mohammed	2	2	Accounting Principles	Iman kadhih	4	6
5	Principles of Business Administration	Hussein jaafar	4	6	Democracy and Human Rights	Sanaa tahir hawaz	2	2
6					Arabic Language	Abbas Abdul Aziz	2	2
Total			12	32	Total		19	30

## second stage

First course							Second course	
N.	subject	Lecturer name & scientific title	Hours N.	Units N.	subject	Lecturer name & scientific title	Hours N.	Units N.
1	Surveys and Sampling Methods	Rihab ahmed	4	8	Probability distributions	Mona tahir	5	8
2	Linear Algebra	Fatima Hashim	4	7	Differential equations	Wafaa Abdul samad	4	7
3	Probability	Mona tahir	5	8	Big data analysis	Bahaa Abdul razag	3	4
4	Computer Science Fundamentals 1	Zainab sabih	3	4	Economic statistics	Widad idouar	3	5
5	Baath Party Crimes in Iraq	Hazim hamed	2	2	Control	Ali Abdul zahra	2	2
6	Arabic Language	Amar Jamel	2	2	Programming 2	Zainab sabih	4	4
	Total		20	31	Total		21	30

## Third stage

First course					Second course			
N.	subject	Lecturer name & scientific title	Hours N.	Units N.	Subject	Lecturer name & scientific title	Hours N.	Units N.
1	Statistics R1	Risan Abdul imam	3	3		Risan Abdul imam	3	3
2	Numerical Statistics 1	Wafaa abdul samad	3	3	Mathematical Statistics 2	Wafaa abdul samad	3	3
3	Linear Programming	Bahaa Abdul razag	3	3	Number 2	Bahaa Abdul razag	3	3

4	SPSS 1	Ali nasir	3	3	Operations Research SPSS 2	Ali nasir	3	3
5	Regression 1	Sahira hussein	3	3	Demographics 2	Rihab ahmed	2	2
6	Biodynamics 2	Nadia ali	2	2	Biological 2	Nadia ali	2	2
7	Demographics 1	Rihab ahmed	2	2	Regression 2	Sahira Hussein	3	3
8					Research Methodology	Muna tahir	2	1
Total			19	19	Total		21	21

First course					Second course				
N.	subject	Lecturer name & scientific title	Hours N.	Units N.	Subject	Lecturer name & scientific title	Hours N.	Units N.	
	Reasoning 1	Bahaa Abdul razag	3	3	Reasoning 2	Bahaa Abdul razag	3	3	
1	Standard 1	Sahira hussein	3	3	Standard 2	Sahira hussein	3	3	
2	Design 1	Fatima hashim	3	3	Design 2	Fatima hashim	3	3	
3	Series 1	Risan Abdul imam	2	2	Series 2	Risan Abdul imam	2	2	
4	Applications 1	Salwan shakir	2	2	Applications 2	Salwan shakir	2	2	
5	Multiple 1	Asmaa yaqub	3	3	Multiple 2	Asmaa yaqub	3	3	
Total			16	16	Total			16	16

## PhD

First course subjects		Lecturer	Second course subjects	Hours N.	Lecturers	Hours N.
	Non					

## master

Hours N.	Lecturer	Second course subjects	Hours N.	Lecturer	First course subjects
2	Risan Abdul imam	Mathematical statistics	2	Sahira hussein	Linear models
2	Sahira Hussein		2	Asmaa ayoub	Nonparametric
2	Ali nasir	Series	2	Bahaa Abdul razag	Inference
2	Muna tahir	Design	2	Ayad Mohammad	English
2	Ali nasir	Multiple	2	Risan Abdul imam	Programming
2	Bahaa Abdul razag	Research methodology	2	Walid mia	Standard

## higher diploma

Hours N.	Lecturer	Second course subjects	Hours N.	Lecturer	First course subjects
				Non	

**Sixth: Lecturers research planned to be completed**

N.	Lecturer Name	Research Title
1	Prof. Sahera Hussein Zein Assistant Prof. Dr. Ali Nasser Hussein Assistant Prof. Dr. Risan Abdul-Imam Zaalan	1. Estimating Earthquake Strength Using Multivariate Adaptive Regression (MARS).
		2. Genetic Chaotic with Hybrid Network Neural Artificial of Prediction Model a as Oil Iraqi Algorithm.
		3. Earthquake prediction using machine learning models (MARS, KNN, KR, RVM)
		4. Using the Bootstrap method to estimate the average Taguchi loss function and signal-to-noise ratio with application
		5. Bootstrap - Based Simulation of Estimating Confidence Intervals of " Taguchi Loss Function Means "
2	Assistant Prof. Dr. Widad Adwar Assistant Prof. Dr. Bahaa Abdul-Razzaq Qasim Assistant Prof. Dr. Asmaa Ayoub Yaqoub	
3	Assistant Prof. Wafaa Abdul-Wahid Ashour Assistant Prof. Mona Taher Ghafel Assist. lect. Zainab Subaih Assist. lect. Muntadhar Jumaa Mahdi	Improving ARMAX model prediction using hybridization with an Artificial intelligence method
		Mixing the Weibull- Rayleigh and Exponential- Rayleigh compound distributions to estimate the risk function with the application
		Proposed new compound distribution (MEx-Exponential) for estimating the survival function with application
		Comparison between the ARIMA time series model and the SVR supporting vector model for forecasting with application
		Using some hybrid time series models in forecasting with application
		improving the accuracy of forecasting in time series using some deep learning models with application
4	Assist. lect. Rehab Ahmed Abdul	
5	Prof. Sahera Hussein Zein Assistant Prof. Dr. Ali Nasser Hussein	Estimation of the Survival Function for the Exponentiated-Inverse Suja Distribution by using the Bayesian - Genetic Algorithm Estimators
		New Exponentiated-Inverse Suja Distribution: Properties and Estimation
		New Topp Leone- Shanker distribution: properties and estimation

		New (Exponential-Inverse Lindley-weibull)distribution Properties and Estimates
		Using Some Distributions from the Topp–Leone Family to Estimate the Indicators of the Probabilistic Inventory Model
6	Assistant Prof. Dr. Risan Abdul-Imam Zaalan	Efficiency of Transition Kernel Density estimation in the Dirichlet Mixture Normal Model under different missing ratios
		Robust Baysian estimation of mixed normal Dirichlet models to study the effect of some climatic factors on evaporation
		Comparing Quantile Regression and Fuzzy Neural Networks to Study the Impact of Certain Factors on GDP
7	Assistant Prof. Dr. Widad Adwar	
8	Assistant Prof. Dr. Bahaa Abdul-Razzaq Qasim Assistant Prof. Dr. Asmaa Ayoub Yaqoub	1. Artificial Intelligence
		1. Statistical estimation methods
9		Generative Artificial Intelligence an Overview
10	Assistant Prof. Wafaa Abdul-Wahid Ashour	
11	Assistant Prof. Mona Taher Ghafel Assist. lect. Zainab Subaih	Four-Parameters Nadarajah-Haghighi Distribution According to Neutrosophic Logic: Properties with Application to Neutrosophic Temperature Data
		Development of a Four-Parameter Statistical Neutrosophic Nadarajah-Haghighi Distribution: Estimation, Simulation, and Application to Neutrosophic Monthly Temperature Data”
		An Enhanced Fréchet Distribution: Properties, Computational Methods, and Applications in Cancer Survival and Material Strength
12	Assist. lect. Muntadhar Jumaa Mahdi	Managing queues at airports in the event of crises, appointed by Basra International Airport

### Seventh: Books written and translated to be completed

n	Author's Name	Book Title	Start Date	Importance
1	Bahaa Abdul razaq	Methods for constructing probability distribution models	2025/11/10	It contributes to providing graduate students with the essential information for writing their theses, as well as being useful during their studies.

### Eighth: Seminars and seminars planned to be held

#### Seminars / Discussion of theses, theses and research - Graduate Students

n	Student Name	Seminar Title	Supervisor Name	study
1	Doaa tajil	Bootstrap estimation and use of the Taguchi loss function (s) for the signal-to-noise ratio – with application	Sahira hussein	Master
2	Muntadar mzaal	Neural networks and their hybridization with traditional estimation methods	Bahaa Abdul razaq	Master
3	Muntadar mzaal	Construction of new probability distributions using the T-R(Y) method	Bahaa Abdul razaq	Master
4	Hassan jadim	Improving prediction accuracy in time series using some deep learning models with application	Risan abdul imam	Master

5	Duha Hussein	Reliability of a stress-robust model based on coupling functions in the case of dual stress	Ali nasir	Master
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**Seminars / lecturers**

n.	lecturer name and scientific title	Seminar Title	Date	notes
1	Bahaa Abdul razag	Data analysis and its key supporting software		
2	Bahaa Abdul razag	The importance of using artificial intelligence in scientific research		
3	risan Abdul imam	Using artificial intelligence tools to improve prediction		

**Ninth: Scientific conferences planned to be held and participation inside and outside Iraq**

n	lecturer name and scientific title	Conference Title	Post Title	Place	Date
	Sahira Hussein	The Second International Conference on Research Sciences (ICPS 2025)	Participating in research	Diala university	2025/12/17
1	Bahaa Abdul razag	The 20th International Scientific Conference and the 7th National Conference on Statistical Applications	Participating in research	Baghdad	2025
		The Second International Conference on Applied Sciences	Participating in research	Diala	
2	Risan Abdul imam	The Second International Scientific Conference on Pure Sciences and Information Technology	Participating in research	Wasit	2025//10/29
		The 7th International and 20th National Conference on Statistical Applications.	Participating in research	Baghdad	2026

**Tenth: Scientific seminars planned to be held and participated in inside and outside Iraq**

n	Seminar Title	lecturer name and scientific title	Place	Date
1	Statistics role in society service	Bahaa Abdul razag	College of administration & economics /university of Basrah	

**Workshops planned to be held and participated in inside and outside Iraq**

n	Seminar Title	lecturer name and scientific title	Place	Date
1	Using Artificial Intelligence Applications in Education and Scientific Research –	Bahaa abdul razag	College of administration & economics/statistics	2025/10/21

	Notebooklm Application		department	
2	Job Market Skills: The Essentials of Success in Your First Job	Bahaa abdul razag	College of administration & economics/statistics department	
	Your Path to Success	Rihab ahmed	College of administration & economics/statistics department	2024/10/24

**Eleventh: Training courses planned to participate inside and outside Iraq**

n	Course Title	Teaching name and scientific title	Place	Date
1	Using Excel to facilitate the use of statistical tools	Risan Abdul imam	College of administration & economics /university of Basrah	

**Twelfth: Educational supervision**

Lecturer name	Division/Branch	Stage
Assistant Professor Dr. Widad Adwar Wadi		First
Assistant Professor Shaimaa Qasim Mohsen		
Assistant Professor Salwan Shaker Saleh		
Assistant Professor Wafaa Abdul Samad Ashour		Second
Assistant Professor Mona Taher Ghafel		
Assistant Professor Zainab Subaih Jumaa		
Prof. Dr. Sahera Hussein Zein		Third
Assistant Professor Nadia Ali Ayed		
Assistant Professor Dr. Ali Nasser Hussein		Fourth
Assistant Professor Dr. Risan Abdul Imam Zaalani		
Assistant Professor Dr. Bahaa Abdul Razzaq Qasim		
Assistant Professor Fatima Hashem Falhi		

### Thirteenth: Patents

	Date	Patent titles submitted	Lecturer name
		Non	

### Fourteenth: Expected Community Service

Notes	Beneficiary	Date	Service Type	Lecturer name
	Basra Elderly Care Home		Hosting a breakfast banquet for the elderly	Assist. prof. dr. Bahaa Abdul Razaq
	Basra Elderly Care Home		Hosting a breakfast banquet for the elderly	Assist. Prof. Dr. Risan Abdul Imam
	Children's Cancer Hospital		Presenting gifts to children with cancer	
	Basra Elderly Care Home		Hosting a breakfast banquet for the elderly	Assist. Prof. D. Ali Nasir

### Fifteenth: Other scientific activities

#### Accreditation Plan

Seeks ..... To obtain academic accreditation, where the Academic Accreditation Committee has been formed in the department, the department seeks to take the necessary measures to keep pace with international universities by achieving :

#### Curriculum Development Plan

Proposals have been developed to develop the curricula and submitted to the sectoral committee in order to harmonize the vocabulary of the curricula of the Department of Economics with the requirements of the labor market

**Sixteenth: Committees** / Please issue administrative orders in the committees - a copy of them to the Quality Assurance Division

#### academic accreditation committee

n.	Lecturer	Membership
1	Assist. prof. dr. Ali Nasser Hussein	Head
2	Assist. prof. dr. Bahaa Abdul Razzaq Qasim	Member
3	Assist. Prof. Wafaa Abdul Wahid Ashour	Member
4	Lect. dr. Fatima Hashem Falhi	Member
5	Assist. lect. Shaimaa Qasim Mohsen	Member
6	Assist. lect. Rehab Ahmed Abdul	Member
7	Elham Abdul Samad	Member

#### Curriculum Development Committee

n.	Lecturer	Membership
1	Prof. Dr. Sahera Hussein Zein	Head

<b>2</b>	Assist. Prof. Dr. Bahaa Abdul-Razzaq Qasim	Member
<b>3</b>	Assistant Prof. Wafaa Abdul-Wamad Ashour	Member
<b>4</b>	Assistant Prof. Dr. Asmaa Ayoub Yaqoub	Member
<b>5</b>	Lect. Zainab Subaih	Member
<b>6</b>	Assistant Prof. Mona Taher Ghafel	Member

#### postgraduate Studies Committee

n.	Lecturer	Membership
<b>1</b>	Assist. prof. dr. Ali Nasser Hussein	Head
<b>2</b>	Assist. prof. dr. Asmaa Ayoub Yaqoub	Member & decisional
<b>3</b>	Lect. Dr. Fatima Hashem Falhi	Member
<b>5</b>	Assist. Prof. Wafaa Abdel-Wamed Ashour	Member
<b>6</b>	Lect. Dr. Ahmed Hesham Mohammed	Member

#### Scientific Committee

n.	Lecturer	Membership
<b>1</b>	Prof. Dr. Sahera Hussein Zein	Head
<b>2</b>	Assist. Prof. Dr. Widad Adwar Wadi	Member
<b>3</b>	Assist. Prof. Dr. Risan Abdul Imam	Member
<b>4</b>	Assist. Prof. Dr. Bahaa Abdul-Razzaq Qasim	Member
<b>5</b>	Assistant Prof. Mona Taher Ghafel	Member

#### Examination Committee

##### Preliminary study

n.	Lecturer	Membership
<b>1</b>	Assist. Prof. Dr. Ali Nasser Hussein	Head
<b>2</b>	Assist. Prof. Dr. Risan Abdul-Imam Zaaan	Member
<b>3</b>	Assist. Prof. Dr. Bahaa Abdul-Razzaq Qasim	Member
<b>4</b>	Assist. prof. Wafaa Abdul-Wamad Ashour	Member
<b>5</b>	Assist. lect. Shaimaa Qasim Mohsen	Member
<b>6</b>	Lect. Zainab Subaih Jumaa	Member
<b>7</b>	Assist. lect. Salwan Shaker Saleh	Member

#### First stage (Bolonya Process)

n.	Lecturer	Membership
<b>1</b>	Assist. Prof. Dr. Asmaa ayoub	Head
<b>2</b>	Lect. dr. Fatima Hashim	Member

#### second stage (Bolonya Process)

n.	Lecturer	Membership
<b>1</b>	Assist. lect. salwan shakir	Member
<b>2</b>	Assist. lect. shaimaa qasim	Member

### Postgraduate studies

n.	Lecturer	Membership
<b>1</b>	Assist. Prof. Dr. Ali Nasser Hussein	Head
<b>2</b>	Assist. Prof. Dr. Risan Abdul-Imam Zaalan	Member
<b>3</b>	Assist. Prof. Dr. Bahaa Abdul-Razzaq Qasim	Member

Educational  
Counseling  
Committee/  
Preliminary  
Studies

n.	Lecturer	Membership
<b>1</b>	Assist. Prof. Dr. Widad Idoar	Head
<b>2</b>	Assist. Prof. Dr. Naia Ali	Member
<b>3</b>	Assist. Lect. Rihab Ahmd	Member

### Postgraduate studies

n.	Lecturer	Membership
<b>1</b>	Prof. Dr. Sahera Hussein Zein	Head
<b>2</b>	Lect. Zainab Sabih	Member
<b>3</b>	Lect. dr. Fatima Hashim	Member

**Head of the department/ Assist. Prof. Dr. Ali Nasir Hussein**