Academic program description form

University Name UNIVERSITY OF BASRAH……

Faculty / Institute …COLLEGE OF ADMINSTRATION AND ECONOMY……

Scientific Department ……STATISTICS…….

Academic or Professional Program Name ……STATISTICS…….

Final Certificate Name …STATISTICS……..

Academic system …SEMESTER……..

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	
second		Programming1	Theoretical	Practical
			1	2

8. Expected learning outcomes of the program	
Knowledge	
Learning outcomes 1	Learning outcomes statement 1 Learn basics of programming How to write a program How to execute the program
Skills	
Learning outcomes 2	Learning outcomes statement 2 Learn How to interactive in LAB. Learn How to detect the errors Learn how to explain the results
Learning outcomes 3	Learning outcomes statement 3 How to design a project in a specified subject.
Ethics	
Learning outcomes 4	Learning outcomes statement 4 Encouraging the student to participate and emphasizing

	teamwork in order to enrich capabilities **Forming positive inclinations and trends towards studying in the Statistics Department** **Developing a culture of listening and dialogue etiquette**
Learning outcomes 5	**Learning outcomes statement 5** **Guiding the student to work objectively and honestly in the academic and practical fields** **Strengthening national identity and enhancing the spirit of belonging to the homeland**

9. Teaching and learning strategies
Teaching and learning strategies and methods adopted in the implementation of the program in general Discussion & quiz & homework & exam & practical exam & attendance & behavior
10.Evaluation methods
Implemented at all stages of the program in general Exam = 25 lab. =15 attendance =5 homework =5

11. Faculty						
Faculty members						
Academic rank	Specialization		Special requirements/skills if applicable)		Number of teaching staff	
	General	Special			Staff	Lecturer

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 :PROGRAMMING IN MATLAB
2. Course code
3. Semester / year :SEMESTER
4. Description preparation date : 25-2-2024
5. Available attendance form :Lecture and laboratory
6. Number of credit hours (total) / number of units (total) 3 hours +2 units
7. Course administrator`s name (mention all, if more than one name)
Email : zainab.jumaa@uobasrah.edu.iq Name :Zainab sabeeh jumaa
8. Course objectives

Course objectives	• **Lean principles of programming in matlab** • **Create and execute programs** • **Learn plots in matlab**

9. Teaching and learning strategies

Strategy	**The main objective of this course is to familiarize the student with the basics of building different programs using** **One of the programming languages, which is the matlab language on the basis of building an integrated structure to build different applications that can be used in various topics and fields**

10. Course structure

Week	hours	Required learning outcomes	Unit or subject name	Learning method	Evaluation method
10:30-8:30	1	Main windows	Command & workspace	Lecture&application	Discussion+practical exam
10:30-8:30	2	Main windows	History & current folder	Lecture&application	Discussion+practical exam
10:30-8:30	3	Vars. and ons.	Use of variables and cons.	Lecture&application	Discussion+practical exam
10:30-8:30	4	arrays	Types of arrays	Lecture&application	Discussion+practical exam
10:30-8:30	5	Vectors	Vectors using	Lecture&application	Discussion+practical exam
10:30-8:30	6	Library fns.	Mathematical operations	Lecture&application	Discussion+practical exam
10:30-8:30	7	Input stat.	Types of functions	Lecture&application	Discussion+practical exam
10:30-8:30	8	Ouput stat.	Dispscriptlay and fprintf	Lecture&application	Discussion+practical
10:30-8:30	9	M-files	script	Lecture&application	Discussion+practical
10:30-8:30	10	One branch if	Conditional stat.	Lecture&application	Discussion+practical
10:30-8:30	11	Two branch if	Conditional stat.	Lecture&application	Discussion+practical
10:30-8:30	12	Case -selsect	iterations	Lecture&application	Discussion+practical
10:30-8:30	13	For-loop	iterations	Lecture&application	Discussion+practical
10:30-8:30	14	While loop	iterations	Lecture&application	Discussion+practical
10:30-8:30	15	Break continue try	iterations	Lecture&application	Discussion+practical

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 Exam :25 laboratory exam 15 home works 5 attendance 5 total degree 50	
12. Learning and teaching resources	
Required textbooks (curricular books, if any)	**//**
Main references (sources)	**MATLAB A PRACTICAL INTRODUCTION TO PROGRAMMING AND PROBLEM SOLVING BY STORMY ATTAWAY**
Recommended books and references (scientific journals, reports	**Data Structures And Algorithms Made Easy -To All My Readers By Narasimha Karumanchi**
Electronic references, website	**MATHWORKS.COM**