Ministry of Higher Education and Scientific Research

The supervision and scientific evaluation apparatus

Department of Quality Assurance and Academic Accreditation

College academic program description form
for the academic year 2020-2021

the University: Diyala

the college/Institute: Basic education

scientific department: Calculators

The date the file was filled out: 1/10/2015

The date the file was updated: 1/10/ 2021

the signature: the signature:

Department head name: a.M.Intisar Yassin Khudair, the name of the scientific

assistant: a.M.Dr.Haider Abdel–Baqi

History: 1/10/2021 History: 1/10/2021

Check the file before

Division of Quality Assurance and University Performance

The name of the director of the Quality Assurance and University

Performance Division: M.Dr.Najat Hamdi Abdullah

History: 1/10/2021

the signature:

The endorsement of the Brigadier General

Description of the academic program

> **This description of the academic program provides a necessary summary of the most important characteristics of the program and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available opportunities. It is accompanied by a description of each course within the program**

College Education the basic /University Diyala	1. Enterprise educational
Calculators	2. Section Scientific / Center
education essential Calculators	3. Noun the program Academic or vocational
Bachelor's education essential – Calculators	4. Noun Certificate final
quarterly courses	5. the system scholastic : annual / decisions /other
Ministry education Higher and search Scientific	6. a program Accreditation approved
Ministry Education and ministry planning	7. effects external other
1/10/2015	Date Preparation the description
1/10/2021	Date Preparation the description
Goals the program Academic: that is being requester conversant informative coming and that be he have skills use it in his problems life	
1- Preparation teachers Undergraduates have skills educational necessary to teach material Calculators	
2- development directione Scientific I have Students With what They can from Development their abilities subjectivity in their studies Supreme	
3- gain Students skills necessary to deal With any problem Scientific And solve it in a manner scientific Salim	
4- gain Students How innovation means educational and develop it to be used in teaching material Calculators	

5-	Development and update curricula Scientific in area Calculators
6-	Cooperat With Sections the college all in maintenance and development devices the computer As patrol and continuous
7-	to encourage Attendees And share in conferences and seminars Scientific from okay Identify on me latest updates in modalities teaching and development search Scientific in Material Jurisdiction

outputs the program required and modalities education and learning and   .11 evaluation
Knowledge and understanding   -1 a1- Computers (programming structured, the design logical, structures intermittent, techniques calculator, Organized ready (office), Differentiation, integration, Programming C++, structures data, processors Microwaves theory arithmetic, Administration systems (maintenance), programming entity, blueprints, analysis numerical, translators, networks the computer, architectural calculator, analysis systems, Research operations, software prolog, engineering software, a wish data, to treat sham, Intelligence artificial, Grammar data, Organized employment, Programming Visible, And project Search graduation, And Indeed (98) unit And in the rate of 57,988% a2- Education and taught self (Origins education, education Basis, Flag self general, Flag same the growth, the health Mental, Flag self educational, extension educational, Statistics educational, Curricula search educational, measurement and calendar , modalities teaching specialization, techniques pedagogical, watching, curricula and books scholastic, Administration and supervision educational, application practical, And Indeed (50) Unit And in the rate of 29,586% a3- Culture General (language Arabic, Education islamic, rights man, the language english , democracy ,Education environmental and sanitary), And Indeed (21) Unit And by 12,426%, note that Total units total (169) Unit.
B – skills own subject. B 1 - Education material Calculators to stage education Basis. B 2 - building strategies education suitable to stage education Basis. B 3 - build Tests material Calculators to calendar collection students education Basis. B 4- Development Capacity subjectivity in Development their abilities teach material Calculators to teach Stage education Basis.
modalities education and learning

(method lecture, Discussion, interrogation, exploration, modalities Especially   -1 in education concepts popular) this what Regards Education the theory.   (road learning cooperative And groups small) with Regards the side Practical.   -2
modalities Evaluation
40% exams quarterly, be taken I see consideration attendance And   -1 participation.   60% tests End the classroom.   -2

C- skills thinking : development skills thinking own B:
   c1- Thinking critic
 c2-Thinking creative
 c3-Skills communication
   c4-frame thinking Especially with materials tuition different

modalities education and learning
The Road Rumor: merge development and teach proces thinking within Materials tuition different by extent what Regard with substance techniques pedagogical It runs teach her in a form direct And sincere.
modalities Evaluation
Come within Exams Half quarterly and end the classroom

Dr -Skills the public and rehabilitative movable (Skills other related susceptibility recruitment and evolution profile).   Dr1- Development skills Students to teach students Stage education Basis materials mathematics.   Dr2- Development Abilities Students in development Utilization techniques pedagogical I have students Stage education Basis.   Dr3- Development Capabilities in Tests you measure Capacity sports educated I have students education Basis.
modalities education and learning
About road material modalities teaching specialization, watching And application

Practical (app singles)

modalities Evaluation

the exams editorial   -1 Observation Direct   -2

structure the program   .12

hours approved		Noun scheduled or course	Code scheduled or course	stage tuition
my work	theoretical			
-	2	human rights	Univ1101	The first
-	2	Islamic Education I	Univ1102	The first
-	2	Arabic I	Univ1103	The first
-	2	Islamic Education II	Univ1104	The first
-	2	English I	Univ1105	The first
-	3	General Psychology	Call 1201	The first
-	2	The basis of education	Call 1202	The first
-	3	Developmental Psychology	Call 1203	The first
-	3	principals of Education	Call 1204	The first
-	3	Structured programming I	Comp1301	The first
-	3	computerComputer logic design	Comp1302	The first
-	2	Differentiation	Comp 1303	The first
-	3	Discrete structures I	Comp 1304	The first
-	3	Structured programming II	Comp 1305	The first
-	3	Computer techniques	Comp1306	The first

-	3	Integration	Comp 1307	The first
-	2	Discrete structures II	Comp 1308	The first
-	2	principals of Office	Comp 1309	The first
-	2	Arabic II	Univ2107	the second
-	2	Health and Environment Education	Univ2109	the second
-	2	English II	Univ2110	the second
-	2	Democracy	Univ2111	the second
-	3	Educational Psychology	Call 2205	the second
-	2	mental health	Call 2206	the second
-	2	Educational guidance	Call 2207	the second
-	3	Educational Statistics	Call 2208	the second
-	3	Computational theory	Comp2310	the second
-	3	Introduction to microprocessors and computers	Comp2311	the second
-	3	Programming in C++	Comp 2312	the second
-	3	Data structures I	Comp 2313	the second
-	2	Systems Management (Maintenance)	Comp2314	the second
-	4	Numerical Analysis	Comp 2315	the second
-	3	Computer graphics	Comp 2316	the second
-	3	Object Oriented Programming OOP	Comp2317	the second
-	3	Data structures II	Comp 2318	the second
-	2	Arabic III	Univ3112	Third
-	3	Research Methods	Call 3209	Third
-	2	TMS	Call 3210	Third
-	2	Measurement and evaluation	Call 3211	Third
-	2	General methods of teaching	Call 3212	Third

4	-	Viewing	Call 3213	Third
-	3	Analysis systems	Comp 3320	Third
-	3	Compilers	Comp3321	Third
-	3	Computer ArchitectureI	Comp3322	Third
-	3	Communications and network security I	Comp 3323	Third
-	3	Operations Research	Comp 3324	Third
-	3	Prolog Lang	Comp 3325	Third
-	3	Computer Architecture II	Comp 3326	Third
-	3	Communications and network security II	Comp 3327	Third
-	3	data security	Comp 3328	Third
-	2	Software Engineering	Comp 3329	Third
-	3	Methods of Computer Teaching	Comp 3330	Third
-	2	ArabicV	Univ4115	fourth
-	2	Curricula and textbooks	Call 4214	fourth
-	2	Educational administration and direction	Call 4215	fourth
-	12	Application	Call 4216	fourth
-	3	databases	Comp 4331	fourth
-	3	Digital Image Processing	Comp 4332	fourth
-	3	Operating systems	Comp 4333	fourth
-	3	artificial intelligence	Comp 4334	fourth
-	3	visual programming	Comp 4335	fourth
-	3	Research Project Graduation	Comp 4336	fourth

planning to evolve profile-13

Review the previous steps and their outputs   -1

Seeing updates from books, periodicals and the information network in the   -2 field of specialization Periodic (annual) updating of approved teaching plans.   -3

standard admissions (put systems related By joining in college or institute)-14

Preparatory Certificate - Scientific Branch - Competitive GPA based on desire.

most important Sources the information About the program-15

Books, periodicals, theses, the international information network, the personal experience of the course instructor.

skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution personal)				Objectives Sentimental and value				Objectives Marathi own with the program				Objectives Cognitive				Basic Mother my choice	Noun scheduled	Code scheduled	the year / the level
Dr4	Dr3	Dr2	Dr1	c4	c3	c2	c1	B4	B3	B2	B1	a4	a3	a2	a1				
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	human rights	Univ1101	The first
√	√	√	√	√	√	√	√	√	√	√	√		√	√	√	Basic	Islamic Education I	Univ1102	The first
√	√	√	√	√	√	√	√	√	√		√	√	√	√	√	Basic	Arabic I	Univ1103	The first
√	√	√	√	√		√	√	√	√	√	√	√	√	√	√	Basic	Islamic Education II	Univ1104	The first
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	English I	Univ1105	The first
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	General Psychology	Call 1201	The first
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	The basis of education	Call 1202	The first

Scheme skills curriculum

Kindly put Signal in Squares the interview for output learning individuality from the program submissive for evaluation

outputs learning required from the program

√	√	√	√	√	√		√	√	√	√	√	√	√	√	√	Basic	Developmental Psychology	Call 1203	The first
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	principals of Education	Call 1204	The first
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Structured programming I	Comp1301	The first
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Computer logic design computer	Comp1302	The first
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Differentiation	Comp 1303	The first
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Discrete structures I	Comp 1304	The first
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Structured programming II	Comp 1305	The first
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Computer techniques	Comp1306	The first
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Integration	Comp 1307	The first
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Discrete structures II	Comp 1308	The first
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	principals of Office	Comp 1309	The first
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Arabic II	Univ2107	the second
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Health and Environment Education	Univ2109	the second

√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	English II	Univ2110	the second
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Democracy	Univ2111	the second
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Educational Psychology	Call 2205	the second
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	mental health	Call 2206	the second
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Educational guidance	Call 2207	the second
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Educational Statistics	Call 2208	the second
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Computational theory	Comp2310	the second
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Introduction to microprocessors and computers	Comp2311	the second
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Programming in C++	Comp 2312	the second
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Data structures I	Comp 2313	the second
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Systems Management (Maintenance)	Comp2314	the second
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Numerical Analysis	Comp 2315	the second

√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Computer graphics	Comp 2316	the second
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Object Oriented Programming OOP	Comp2317	the second
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Data structures II	Comp 2318	the second
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Arabic III	Univ3112	Third
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Research Methods	Call 3209	Third
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	TMS	Call 3210	Third
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Measurement and evaluation	Call 3211	Third
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	General methods of teaching	Call 3212	Third
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Viewing	Call 3213	Third
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Analysis systems	Comp 3320	Third
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	compilers	Comp3321	Third
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Computer ArchitectureI	Comp3322	Third
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Communications and network security I	Comp 3323	Third

√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Operations Research	Comp 3324	Third
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Prolog Lang	Comp 3325	Third
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Computer Architecture II	Comp 3326	Third
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Communications and network security II	Comp 3327	Third
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	data security	Comp 3328	Third
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Software Engineering	Comp 3329	Third
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Methods of Computer Teaching	Comp 3330	Third
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	ArabicV	Univ4115	fourth
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Curricula and textbooks	Call 4214	fourth
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Educational administration and direction	Call 4215	fourth
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Application	Call 4216	fourth
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	databases	Comp 4331	fourth
√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Digital Image Processing	Comp 4332	fourth

																Basic	Operating systems	Comp 4333	fourth
√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Operating systems	Comp 4333	fourth
√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	artificial intelligence	Comp 4334	fourth
√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	visual programming	Comp 4335	fourth
√		√	√	√	√	√	√	√	√	√	√	√	√	√	√	Basic	Research Project Graduation	Comp 4336	fourth

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

College Education the basic	Enterprise educational .1
Calculators	Section Scientific / Center .2
Structured programming I/ Comp 1301	Noun / Code scheduled .3
Is mandatory	shapes Attendees .4 available
the classroom scholastic the first / the year The first	the classroom / the year .5
$3\times15 = 45$	number hours tuition .6 (total)
1/ 10/ 2021	Date Preparation this the .7 description
Goals Decision: that is being requester knowledgeable with concepts .8 following	
1. Algorithms and flowcharts	
2. Principles of Modular Programming	
3. Top-Down Design Approach	
4. Principles of structured programming	
5. Pascal Program Structure	
6. Write the expression in the Pascal language	
7. Allocation and I/O statements	
8. Procedures & Functions	
9. Control and decision-making sentences	

outputs scheduled and modalities education and learning and evaluation .10

A- Objectives Cognitive 1- That Known requesterHow to write algorithms and draw flowcharts 2- That Known requester Paradigm Programming Principles (modular programming) 3- That Known The top-down design approachTop-Down) 4- That Known requester Principles of structured programming 5- That Known requesterProgram Structure in Pascal Language (pascal) 6- That Known requester How to write expression in Pascal language 7- That Known requester How Utilization assignment, input, and output statementsI/O) 8- That Known requester How to write procedures and functionsProcedures & Functions) 9- That Known requester what Control sentences and how to make a decision
B - Objectives Marathi own By decision. that made up I have Students skills with concepts coming 1-Writing algorithms and drawing flowcharts 2- Rules language Pascal (pascal) 3-Write the arithmetic expression in the Pascal language 4- use assignment, input, and output statementsI/O) 5-Writing procedures and functionsProcedures & Functions) 6- use Control sentences and how to make a decision
modalities education and learning
in Start the classroom Being inform Students vocabulary scheduled scholastic and sources the information (Books Same Relationship , periodicals , Messages undergraduate) and distributed vocabulary on me weeks the classroom scholastic, and Techniques Calendar that will run followed , my agencies: 1. Initialize Lectures According to sequence Which rose in scheduled scholastic About road help with sources the information precedent The remembrance. 2. Inform Students About Theme lecture coming with intent config. 3. Demand from Students Submit Leaves Belonging to subject or more from themes restriction studying.
modalities Evaluation
1. Procedure two exams two quarters the first distance expiration the week Fifth from the classroom scholastic And the second distance the week The tenth from the classroom scholastic and considerate in All Exam levels mental (Remember , application, exploration) where Degree Calendar to her

40% of achievement total on me that Takes I see consideration perseverance requester and volume Share it daily.

2. Exam End the classroom scholastic And for him 60% of achievement According timings Ministry And take into account At put questions inclusivity content scheduled scholastic and levels mental (Remember , application, exploration).

C- Objectives Sentimental And value :that is being requester able on me

1- Definition algorithm And chart streamlined

2- Writing expression Arithmetic

3- Writing camel personalization And input And output

4- Get acquainted on me the difference between procedures And functions

5- Get acquainted on me How Utilization camel the decision

Dr - skills the public And Qual movable (skills other related susceptibility recruitment and evolution profile).

1- Employment skills earned in education Knowledge sports I have Students Stage education Basis.

2- Choose Examples from Established education Basis And to each Of which skills that eat it scheduled scholastic.

3- Evaluation Bezel acquisition pupils education Basis for skills application.

4- Building Tests Especially domains thinking Logical for pupils Stage education Basis.

structure scheduled .11

method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
calendar structural	Discussion and interrogation	Concept of algorithm and flowchart	Concept of algorithm and flowchart	3	1
calendar structural	Discussion and interrogation	The concept of paradigm programming	The concept of paradigm programming	3	2
calendar structural	Discussion and interrogation	Design concept from top to bottom	Design concept from top to bottom	3	3
calendar	Discussio	Principles of	Principles of	3	4

structural	n and interrogation	programming in Pascal language	programming in Pascal language		
calendar structural	Discussion and interrogation	Pascal program structure	Pascal program structure	3	5
calendar structural	-	Test Monthly	Test Monthly	3	6
calendar structural	Discussion and interrogation	Use the arithmetic expression	Use the arithmetic expression	3	7
calendar structural	Discussion and interrogation	Use assignment, input and output statements	Use assignment, input and output statements	3	8
calendar structural	Discussion and interrogation	Learn about the proceduresProcedures	Learn about the proceduresProcedures	3	9
calendar structural	Discussion and interrogation	Learn about the proceduresProceduresAnd written	Learn about the proceduresProceduresAnd written	3	10
calendar structural	-	Test Monthly	Test Monthly	3	11
calendar structural	Discussion and interrogation	Identify on me functions Functions and written	Identify on me functions Functions and written	3	12
calendar structural	Discussion and interrogation	Identify on me camel take the decision	Identify on me camel take the decision	3	13
calendar structural	Discussion and interrogation	Identify on me camel the control	Identify on me camel the control	3	14
calendar structural	Discussion and interrogation	audit scheduled	audit scheduled	3	15

structure substratum .12	
Nothing	1- The required textbooks
Fundamentals of programming in Pascal – language. Written by Dr. Nidal Khudair Al-Abadi	2 main references (sources)
Benefit from periodicals and resources related to the course	Recommended books and references (scientific journals, reports, ...)
Benefit from the international information network as well-known sources	B- Electronic references, websites...

plan Development scheduled scholastic   .13
1. Done Development scheduled According to requirements Which Appear in Development curricula in Phase education Basis. 2. Done Development scheduled According to requirements Which Appear in Development curricula in the system Global.

Course Professor/Professor Ehsan Salman Jassim
Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

College Education the basic	Enterprise educational .9
Calculators	Section Scientific / Center .10
Digital Image Processing /Comp 4332	Noun / Code scheduled .11
Is mandatory	shapes Attendees .12 available
the classroom scholastic the first / the year fourth	the classroom / the year .13
$3 \times 15 = 45$	number hours tuition .14 (total)
1/ 10/ 2021	Date Preparation this the .1 description
Goals Decision: that is being requester knowledgeable with concepts .16 following	
1. Introduction to digital image processing	
2. Image Sampling	
3. Image Quantization	
4. Image Transformations	
5. Image Filtering	
6. Image Zooming	
7. Image Compression	

outputs scheduled and modalities education and learning and evaluation 14.

A- Objectives Cognitive
1- That Known requesterimage concept digital
2- That Known requesterThe concept of sampling
3- That Known requester Principles of quantization concept
4- That Known Types of image transformations
5- That Known requesterThe concept of image filtering and types of filters
6- That Known requester How to change the image scale in several ways
7- That Known requester Concept pressure Pictures And Species techniques Pressure

B - Objectives Marathi own By decision. that made up I have Students skills with concepts coming
1-Write a program about opening a digital image
2- Writing a program to apply Concept quantification
3-Write a program to show the types of image transformations
4- Writing a program About Implementation Some filters on me Picture
5-Write a program to apply image scaling methods

 modalities education and learning

in Start the classroom Being inform Students vocabulary scheduled scholastic and sources the information (Books Same Relationship , periodicals , Messages undergraduate) and distributed vocabulary on me weeks the classroom scholastic, and Techniques Calendar that will run followed , my agencies:
1. Initialize Lectures According to sequence Which rose in scheduled scholastic About road help with sources the information precedent The remembrance.
2. Inform Students About Theme lecture coming with intent config.
3. Demand from Students Submit Leaves Belonging to subject or more from themes restriction studying.

 modalities Evaluation

1. Procedure two exams two quarters the first distance expiration the week Fifth from the classroom scholastic And the second distance the week The tenth from the classroom scholastic and considerate in All Exam levels mental (Remember , application, exploration) where Degree Calendar to her 40% of achievement total on me that Takes I see consideration perseverance requester and volume Share it daily.
2. Exam End the classroom scholastic And for him 60% of achievement According timings Ministry And take into account At put questions inclusivity content scheduled scholastic and levels mental (Remember ,

application, exploration).
C- Objectives Sentimental And value :that is being requester able on me 1- Definition Picture digital 2- Definition my operation sampling And quantification 3- Apply Species Transfers Picture 4- Male Species filters 5- Apply Species modalities change measurement Picture 6- Comparison between modalities pressure Picture
Dr - skills the public And Qual movable (skills other related susceptibility recruitment and evolution profile). 1- Employment skills earned in education Knowledge sports I have Students Stage education Basis. 2- Choose Examples from Established education Basis And to each Of which skills that eat it scheduled scholastic. 3- Evaluation Bezel acquisition pupils education Basis for skills application. 4- Building Tests Especially domains thinking Logical for pupils Stage education Basis.

structure scheduled .15

method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
calendar structural	Discussion and interrogation	concept of digital image	concept of digital image	3	1
calendar structural	Discussion and interrogation	The concept of quantification and sampling	The concept of quantification and sampling	3	2
calendar structural	Discussion and interrogation	The concept of image transformations and their types	The concept of image transformations and their types	3	3
calendar structural	Discussion and interrogation	Concept of image enhancement process using filterat	Concept of image enhancement process using filterat	3	4

calendar structural	Discussion and interrogation	Concept of image optimization process using diagram	Concept of image optimization process using diagram	3	5
calendar structural	-	Test Monthly	Test Monthly	3	6
calendar structural	Discussion and interrogation	Concept of image enhancement process using levels adjustment	Concept of image enhancement process using levels adjustment	3	7
calendar structural	Discussion and interrogation	The concept of resizing an image	The concept of resizing an image	3	8
calendar structural	Discussion and interrogation	The concept of digital image compression	The concept of digital image compression	3	9
calendar structural	Discussion and interrogation	Concept of types of digital image compression methods	Concept of types of digital image compression methods	3	10
calendar structural	-	Test Monthly	Test Monthly	3	11
calendar structural	Discussion and interrogation	The concept of digital image compression methods without Loss And its algorithms	The concept of digital image compression methods without Loss And its algorithms	3	12
calendar structural	Discussion and interrogation	The concept of digital image compression methods With loss And its algorithms	The concept of digital image compression methods With loss And its algorithms	3	13
calendar structural	Discussion and interrogat	audit scheduled	audit scheduled	3	14

	ion				
calendar structural	Discussion and interrogation	audit scheduled	audit scheduled	3	15

structure substratum .16	

Nothing	1- The required textbooks
Digital Image Processing, Gonzalez – Image Processing Principles and – Applications, By Tinku Acharya and Ajoy K. Ray	2 main references (sources)
Benefit from periodicals and resources related to the course	Recommended books and references (scientific journals, reports, ...)
Benefit from the international information network as well-known sources	B- Electronic references, websites...

plan Development scheduled scholastic .17
1. Done Development scheduled According to requirements Which Appear in Development curricula in Phase education Basis. 2. Done Development scheduled According to requirements Which Appear in Development curricula in the system Global.

Course Professor / A.M. Hamid Sadiq Mahdi
Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

College Education the basic	Enterprise educational .17
Calculators	Section Scientific / Center .18
analysis Organized	Noun / Code scheduled .19
Is mandatory	shapes Attendees .20 available
the classroom scholastic the first / the year Third	the classroom / the year .21
30 hours	number hours tuition .22 (total)
1/ 10/ 2021	Date Preparation this the .2 description
Goals scheduled .24	
Understand the basic concepts of analyzing and developing information -1 systems in the organization	
Understand the main stages in the systems development life cycle -2	
3- Identify and collect information system requirements	

Infer system specifications through system analysis   -4
Provide clear system analysis and design using diagrams   -5

outputs scheduled and modalities education and learning and evaluation .18

A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding from During absorb and analysis material systems the information a2- Tamkeen Students from get on me Knowledge and understanding for examples About systems the information in various ways its forms a3- Empowerment Students from get on me Knowledge and understanding About material analysis Organized a4- Empowerment Students from get on me Knowledge and understanding No matter issues that Belonging to systems the information a5- Empowerment Students from get on me Knowledge and understanding to analyze and interpretation issues material analysis Organized a6- Empowerment Students from get on me Knowledge and understanding Bahm Sources and references study analysis Organized
B - Objectives Marathi own By decision. B1 - compare between Species analysis Organized different B2 - Analyze material analysis Organized And explains Her reasons . B3 - Apply writing paper or Search in Theme from Topics analysis Organized B4- Collect information About analysis Organized and systems the information

modalities education and learning

1. Supply Students With the basics and topics related Analyze Organized . 2. Clarification And explain Subject tuition from Before Mr. Subject 3. Claim Students visit the library examining on me Sources study analysis Organized .

modalities Evaluation

1. Tests daily with questions specific 2. Lay grades for assignments household and posts class . 3. Tests monthly with questions objectivity and frying pan

C- Objectives Sentimental and value c1- That explains And he analyzes evidence for analysis Organized of all kinds . c2- differentiate between nature analysis Organized of all kinds . c3- He resides Some texts and information About analysis Organized . c4- Compare between analysis Organized systems the information.

modalities education and learning
1. Method Solution the problems. 2. storm mental . 3. method simulation
modalities Evaluation
1. The exam Editorial To measure capacity requester on me thinking and analysis conclusion. 2. writing Research About Some Examples analysis Organized. 3. exams daily with guidance Questions intellectual and deductive.
Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile). Dr1- It is used Sources and references contemporary. Dr2- formation a group from Students to study analysis Organized and systems the information Dr3- Statement from institutions Country Same Relationship Analyze Organized to increase acquaintances Students and distribute it. Dr4- Statement from centers documents and libraries that Contains on me manuscripts and documents analysis Organized

structure scheduled .19					
method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
participation class	lecture And casting	analysis and design System	Enable Students from Understanding the system and analyze it	3	the first
participation class	lecture And casting	analyzer systems	Enable Students from knowledge analyzer systems	3	The second
participation class	lecture And casting	Cycle Life Development systems	Enable Students from save Forms About Cycle Life	3	Third

participation class	lecture And casting	requirements System the information	Enable Students from knowledge requirements System the information	3	the fourth
			Development systems		
participation class	lecture And casting	requirements System the information	Enable Students from knowledge requirements System the information	3	the fourth
participation class	lecture And casting	Specifications the system from During analysis the system	the definition With all Specifications the system in detail	3	Fifth
participation class	lecture And casting	Design System the information It includes interface the user and lists and systems sub	Enable Students from knowledge patterns Design System the information	3	VI
		the exam monthly			VII

structure substratum .20

- analysis and design Organized the information - analysis and design systems	1 books assessed required
analysis Organized , Dr Saad Ghalib Yassen. analysis and design systems , Slave The sustenance safety	2 the reviewer Main (Sources)
Claim Students in numbers reports monthly About themes that They study it	a books and references that recommend with it (Journals Scientific , reports ,....)
- Location Archives - Location allure - Location Our library Arabic	B - the reviewer Electronic, sites the internet ....

plan Development scheduled scholastic   .21
1. Work on me Polarization Masters from universities other to throw Lectures Scientific specialized Analyze Organized . 2. assignment Students Achievement Research study field what suffer language

anti from problems social And psychology and put Solutions effective for those the problems and tackle phenomena that He suffers Of which Darso analysis Organized

M. Ban Jawad Kazem

Course description form

Course description

This course description provides a necessary summary of the most

important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

College Education the basic	Enterprise educational .25
Calculators	Section Scientific / Center .26
engineering software	Noun / Code scheduled .27
Is mandatory	shapes Attendees .28 available
the classroom scholastic The second / the year Third	the classroom / the year .29
30 hours	number hours tuition .30 (total)
1/ 10/ 2021	Date Preparation this the .3 description

Goals scheduled   .32
Understand the basic concepts of computer programming   -3
Understand the basic stages in data structures and algorithms   -4
3- Identify and achieve the life cycle of software operations
Infer system specifications from software requirements   -6
Provide clear analysis and design of the system using toolsCASE in   -7 software engineering
outputs scheduled and modalities education and learning and evaluation .22
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding from During absorb and analysis material engineering software a2- Tamkeen Students from get on me Knowledge and understanding for examples About engineering software in various ways its forms a3- Empowerment Students from get on me Knowledge and understanding About material engineering software a4- Empowerment Students from get on me Knowledge and understanding No matter issues that Belonging to engineering software

a5- Empowerment Students from get on me Knowledge and understanding to analyze and interpretation issues material engineering software
a6- Empowerment Students from get on me Knowledge and understanding Bahm Sources and references study engineering software

B - Objectives Marathi own By decision.
B1 - compare between Species engineering software different
B2 - Analyze material engineering software And explains Her reasons .
B3 - Apply writing paper or Search in Theme from Topics engineering software
B4- Collect information About engineering software

modalities education and learning
1. Supply Students With the basics and topics related engineering software.
2. Clarification And explain Subject tuition from Before Mr. Subject
3. Claim Students visit the library examining on me Sources study engineering software.

modalities Evaluation
1. Tests daily with questions specific
2. Lay grades for assignments household and posts class .
3. Tests monthly with questions objectivity and frying pan

C- Objectives Sentimental and value
c1- That explains And he analyzes engineering software of all kinds .
c2- differentiate between nature engineering software of all kinds .
c3- He resides Some texts and information About engineering software .
c4- Compare between engineering software.

modalities education and learning
1. Method Solution the problems.
2. storm mental .
3. method simulation

modalities Evaluation
1. The exam Editorial To measure capacity requester on me thinking and analysis conclusion.
2. writing Research About Some Examples engineering software.
3. exams daily with guidance Questions intellectual and deductive.

Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile).
Dr1- It is used Sources and references contemporary.
Dr2- formation a group from Students to study engineering software
Dr3- Statement from institutions Country Same Relationship engineering software to increase acquaintances Students and distribute it.
Dr4- Statement from centers documents and libraries that Contains on me manuscripts and documents on me engineering software

structure scheduled .23					
method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
participation class	lecture And casting	Administration proces engineering software	Enable Students from Understanding engineering software	3	the first
participation class	lecture And casting	safety Organized Calculators	Enable Students from knowledge safety Organized Calculators	3	The second
participation class	lecture And casting	Cycle Life Development engineering software	Enable Students from save Forms About Cycle Life Development engineering software	3	Third
participation class	lecture And casting	setting Quality software	Enable Students from knowledge setting Quality software	3	the fourth
participation class	lecture And casting	Specifications the system from During Development rapid software	the definition With all Specifications the system in detail	3	Fifth

participation class	lecture And casting	Administration project software	Enable Students from knowledge Administration project software	3	VI
		the exam monthly			VII

structure substratum .24	
- engineering software - Phase engineering software	1 books assessed required
engineering software , Basim Abdullah. Cycle Life engineering software , Bassam capsi.	2 the reviewer Main (Sources)
Claim Students in numbers reports monthly About themes that They study it	a books and references that recommend with it (Journals Scientific , reports ,....)
- Location Archives - Location allure - Location Our library Arabic	B - the reviewer Electronic, sites the internet ....

plan Development scheduled scholastic   .25
1. Work on me Polarization Masters from universities other to throw Lectures Scientific specialized engineering software . 2. assignment Students Achievement Research study field what suffer language anti from problems social And psychology and put Solutions effective for those the problems and tackle phenomena that He suffers Of which Darso analysis Organized

M. Ban Jawad Kazem

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

College Education the basic	Enterprise educational .33
Calculators	Section Scientific / Center .34
structures data	Noun / Code scheduled .35

Is mandatory	36. Attendees shapes available
the classroom scholastic the first / the year the second	37. the classroom / the year
30 hours	38. number hours tuition (total)
1/ 10/ 2021	3. Date Preparation this the description

Goals scheduled   .40
5- Understand the basic concepts of analyzing and developing data structures in the calculator
6- Understand the basic stages in the formation of data structures
3. Identify and obtain data structures requirements
8- Infer the specification of the graphic structure by analyzing the data
9- Provide clear analysis and design of a graphical structure using charts

.26 outputs scheduled and modalities education and learning and evaluation
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding from During absorb and analysis material structures data a2- Tamkeen Students from get on me Knowledge and understanding for examples About structures data in various ways its forms a3- Empowerment Students from get on me Knowledge and understanding About material structures data a4- Empowerment Students from get on me Knowledge and understanding No matter issues that Belonging to structures data a5- Empowerment Students from get on me Knowledge and understanding to analyze and interpretation issues material structures data a6- Empowerment Students from get on me Knowledge and understanding Bahm Sources and references study structures data
B - Objectives Marathi own By decision. B1 - compare between Species structures data different B2 - Analyze material structures data And explains Her reasons . B3 - Apply writing paper or Search in Theme from Topics structures data B4- Collect information About structures data and structures data
modalities education and learning
1. Supply Students With the basics and topics related with structures data . 2. Clarification And explain Subject tuition from Before Mr. Subject 3. Claim Students visit the library examining on me Sources study structures data .

modalities Evaluation
1. Tests daily with questions specific 2. Lay grades for assignments household and posts class . 3. Tests monthly with questions objectivity and frying pan
C- Objectives Sentimental and value c1- That explains And he analyzes evidence for structures data of all kinds . c2- differentiate between nature structures data of all kinds . c3- He resides Some texts and information About structures data . c4- Compare between structures data structures data.
modalities education and learning
1. Method Solution the problems. 2. storm mental . 3. method simulation
modalities Evaluation
1. The exam Editorial To measure capacity requester on me thinking and analysis conclusion. 2. writing Research About Some Examples structures data. 3. exams daily with guidance Questions intellectual and deductive.
Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile). Dr1- It is used Sources and references contemporary. Dr2- formation a group from Students to study and structures data Dr3- Statement from institutions Country Same Relationship with structures data to increase acquaintances Students and distribute it. Dr4- Statement from centers documents and libraries that Contains on me manuscripts and documents structures data

structure scheduled .27					
method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
participation class	lecture And casting	analysis and design structures graphic	Enable Students from Understanding structures	3	the first

			graphic and analyze it		
participation class	lecture And casting	analyzer systems	Enable Students from knowledge structures data	3	The second
participation class	lecture And casting	Forms About acting data	Enable Students from save Forms About acting data	3	Third
participation class	lecture And casting	requirements structures data	Enable Students from knowledge requirements structures evidence	3	the fourth
participation class	lecture And casting	Specifications the structure My statement from During analysis the structure My statement	the definition With all Specifications the structure My statement in detail	3	Fifth
participation class	lecture And casting	Design structure My statement the information It includes interface the user and lists and systems sub	Enable Students from knowledge patterns Design structure My statement the information	3	VI
		the exam monthly			VII

structure substratum .28	
- structures data - datastructure	1 books assessed required
structures data , Dr Essam yolk. Data structure, john annie smith	2 the reviewer Main (Sources)

Claim Students in numbers reports monthly About themes that They study it	a books and references that recommend with it (Journals Scientific , reports ,....)
- Location Archives - Location allure - Location Our library Arabic	B - the reviewer Electronic, sites the internet ....

plan Development scheduled scholastic   .29
1. Work on me Polarization Masters from universities other to throw Lectures Scientific specialized with structures data . 2. assignment Students Achievement Research study field what suffer language anti from problems social And psychology and put Solutions effective for those the problems and tackle phenomena that He suffers Of which They studied structures data

M. Yasser Ali Mutni

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

College Education the basic	Enterprise educational .41
Calculators	Section Scientific / Center .42
Research Processes	Noun / Code scheduled .43
Is mandatory	shapes Attendees .44 available
the classroom scholastic the first / the year Third	the classroom / the year .45
30 hours	number hours tuition .46 (total)
1/ 10/ 2021	Date Preparation this the .4 description
Goals scheduled .48	
Understand the basic concepts of analyzing and developing data -7 structures in the calculator	
Understand the basic stages in the formation of data structures -8	
3. Identify and obtain data structures requirements	
Infer operations research specifications through data analysis -10	

11- Provide clear analysis and design for operations research using diagrams
30. outputs scheduled and modalities education and learning and evaluation

A- Objectives Cognitive
a1- Tamkeen Students from get on me Knowledge and understanding from During absorb and analysis material Research Processes
a2- Tamkeen Students from get on me Knowledge and understanding for examples About Research Processes in various ways its forms
a3- Empowerment Students from get on me Knowledge and understanding About material Research Processes
a4- Empowerment Students from get on me Knowledge and understanding No matter issues that Belonging to Research Processes
a5- Empowerment Students from get on me Knowledge and understanding to analyze and interpretation issues material Research Processes
a6- Empowerment Students from get on me Knowledge and understanding Bahm Sources and references study Research Processes
B - Objectives Marathi own By decision.
B1 - compare between Species Research Processes different
B2 - Analyze material Research Processes And explains Her reasons .
B3 - Apply writing paper or Search in Theme from Topics Research Processes
B4- Collect information About Research Processes and research Processes
modalities education and learning

1. Supply Students With the basics and topics related researches Processes .
2. Clarification And explain Subject tuition from Before Mr. Subject
3. Claim Students visit the library examining on me Sources study Research Processes .

modalities Evaluation

1. Tests daily with questions specific
2. Lay grades for assignments household and posts class .
3. Tests monthly with questions objectivity and frying pan

C- Objectives Sentimental and value
c1- That explains And he analyzes evidence for research Processes of all kinds .
c2- differentiate between nature Research Processes of all kinds .
c3- He resides Some texts and information About Research Processes .
c4- Compare between Research Processes Research Processes.
modalities education and learning

1. Method Solution the problems. 2. storm mental . 3. method simulation	
modalities Evaluation	
1. The exam Editorial To measure capacity requester on me thinking and analysis conclusion. 2. writing Research About Some Examples Research Processes. 3. exams daily with guidance Questions intellectual and deductive.	
Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile). Dr1- It is used Sources and references contemporary. Dr2- formation a group from Students to study and research Processes Dr3- Statement from institutions Country Same Relationship researches Processes to increase acquaintances Students and distribute it. Dr4- Statement from centers documents and libraries that Contains on me manuscripts and documents Research Processes	

structure scheduled .31					
method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
participation class	lecture And casting	analysis and design structures graphic	Enable Students from Understanding structures graphic and analyze it	3	the first
participation class	lecture And casting	analyzer systems	Enable Students from knowledge structures data	3	The second
participation class	lecture And casting	Forms About acting data	Enable Students from save Forms About acting data	3	Third
participation class	lecture And casting	requirements structures data	Enable Students from knowledge requirements structures evidence	3	the fourth

participation class	lecture And casting	Specifications research Processes from During analysis research Processes	the definition With all Specifications research Processes in detail	3	Fifth
participation class	lecture And casting	Design Research Processes the information It includes interface the user and lists and systems sub	Enable Students from knowledge patterns Design Research Processes the information	3	VI
		the exam monthly			VII

structure substratum .32	
- structures data - datastructure	1 books assessed required
Research Processes , Dr Essam yolk. Data structure, john annie smith	2 the reviewer Main (Sources)
Claim Students in numbers reports monthly About themes that They study it	a books and references that recommend with it (Journals Scientific , reports ,....)
- Location Archives - Location allure - Location Our library Arabic	B - the reviewer Electronic, sites the internet ....

plan Development scheduled scholastic .33
1. Work on me Polarization Masters from universities other to throw Lectures Scientific specialized researches Processes . 2. assignment Students Achievement Research study field what suffer language anti from problems social And psychology and put Solutions effective for those the problems and tackle phenomena that He suffers Of which They studied Research Processes

M. Yasser Ali Mutni

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

College Education the basic	Enterprise educational .49

Calculators	Section Scientific / Center .50
techniques Calculator	Noun / Code scheduled .51
Is mandatory	shapes Attendees .52 available
the classroom scholastic second / year The first	the classroom / the year .53
3 * 15 = 45 hours	number hours tuition .54 (total)
1/ 10/ 2021	Date Preparation this the .5 description

Goals scheduled .56
Introducing students to electronic and digital circuits -9
Introduce the student to the central processing unit. -10
3- Introduce the student to the memory unit and its management.
Introduce students to input, output and storage units. -12
Introducing the student to the generations of computers and their -13 development throughout history.
Introducing students to programming languages and their levels -14

outputs scheduled and modalities education and learning and evaluation .34
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding for generations Calculator and stages its evolution via History a2- Tamkeen Students from get on me Knowledge and understanding components Calculator a3- Empowerment Students from get on me Knowledge and understanding for devices component for the computer a4- Empowerment Students from get on me Knowledge and understanding software download the computer a5- Empowerment Students from get on me Knowledge and understanding for types devices the computer from where mission and size . a6- Empowerment Students from get on me Knowledge and understanding for languages Calculators software .
B - Objectives Marathi own By decision. B1 - Ability on me maintenance the computer B2 - ability on me Solution problems that face the user At Utilization Calculator . B3 - Enable requester on me Discrimination to type Calculator from where mission that get up with it

B4- Ability requester on me Re Programming Calculator And inauguration Software
modalities education and learning
1. Supply Students With the basics and topics related Techniques Calculator .   2. Clarification And explain Subject tuition from Before Mr. Subject   3. Claim Students visit the library examining on me Sources study techniques Calculator .
modalities Evaluation
1. Tests daily with questions specific   2. Lay grades for assignments household and posts class .   3. Tests monthly with questions objectivity and frying pan
C- Objectives Sentimental and value   c1- That explains And he analyzes evidence for techniques Calculator of all kinds .   c2- differentiate between nature techniques Calculator of all kinds .   c3- He resides Some texts and information About techniques Calculator .   c4- Compare between techniques Calculator .
modalities education and learning
1. Method Solution the problems.   2. storm mental .   3. method simulation
modalities Evaluation
1. The exam Editorial To measure capacity requester on me thinking and analysis conclusion.   2. writing Research About Some Examples techniques Calculator.   3. exams daily with guidance Questions intellectual and deductive.
Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile).   Dr1- It is used Students vocabulary technological modern   Dr2- make up groups to set up Relations together help Some Business positivity   Dr3- He managed Students from Development subjective continuous when distance graduation .   Dr4- He managed Students from passing Tests proces And professional organize from Before destinations local / regional / international

structure scheduled .35					
method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
Exam daily	lecture And casting	generations Calculators	Learn generations Calculator	6	1-2
Questions interrogative	lecture And casting	System the computer	Learn structure the computer	9	3-4-5
duty my house	lecture And casting	Species Calculators	Learn Species Calculators	6	6-7
Exam daily	diction and interrogation	devices input	knowledge devices Enter the information from Calculator	6	8-9
Questions interrogative	lecture And casting	devices directing	knowledge devices Directed by the information from Calculator	6	10-11
duty my house	And casting and interrogation	devices memory	knowledge devices memory and their ratings	6	12-13
Exam sudden	lecture And casting	Alone processing central	knowledge How to treat data in Healer	6	14-15

structure substratum .36	
ingredients the computer profile - Computer skills and applications - Principles of computer science -	readings required texts the basic - books scheduled - other -
Accommodation courses Training in -1 area uses the computer and its techniques . Accommodation courses training to use -2 the network arachnoid	requirements Especially

Accommodation Seminars and -3 conferences Scientific and cultural	
Claim Students in numbers reports monthly About themes that They study it	a books and references that recommend with it (Journals Scientific , reports ,....)
- Location Archives - Location allure - Location Our library Arabic	B - the reviewer Electronic, sites the internet ....

plan Development scheduled scholastic   .37
1. Work on me Polarization Masters from universities other to throw Lectures Scientific specialized Techniques Calculator . 2. assignment Students Achievement Research study field what suffer language anti from problems social And psychology and put Solutions effective for those the problems and tackle phenomena that He suffers Of which They studied techniques Calculator

Mother. Intisar Yassin Khudair

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

University Diyala	Enterprise educational .57
College Education the basic	Section Scientific / Center .58
Internet and powerpoint	Noun / Code scheduled .59
Is mandatory	shapes Attendees .60 available
2020-2021	the classroom / the year .61
2 * 15 = 30	number hours tuition .62 (total)
1/ 10/ 2021	Date Preparation this the .6 description
Goals scheduled that is being requester knowledgeable with concepts .64 coming	
1- Students should know what computer networks are and effectively enable them to carry out searches within the network	

2- He learns ways to withdraw sources, programs and images
3- Students should know how to create ready-made presentations
4 -To familiarize students with the methods of memorizing and printing
5 - That students become acquainted with the methods of creating e-mail and methods of security and protection

outputs scheduled and modalities education and learning and evaluation .38

A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding principles Internet a2- Tamkeen Students from get on me basics in a program fallow Point a3- Increase Awareness I have Students on me Importance Utilization the computer And program it with a picture General a4- Empowerment Students on me build up Mail electronic private them a5- Empowerment Students from Utilization Slices an offer fallow Point a6-
B - Objectives Marathi own By decision. B1 - an increase portability Students on me the speed in Utilization Network Internet B2 - increase portability Students on me Adaptation With all programs and applications available on me the network B3 - increase portability Students on me Learn skills own in Apps networks like Mail electronic B4- Increase portability Students on me Learn skills own by networks like to withdraw Sources and books
modalities education and learning
in Start the classroom Being inform Students vocabulary scheduled scholastic and sources the information (Books Same Relationship , periodicals , Messages undergraduate) and distributed vocabulary on me weeks the classroom study, and methods Calendar that will run followed , my agencies: 1. Initialize Lectures According to sequence Which rose in scheduled scholastic About road help with sources the information precedent The remembrance. 2. Notify Students About Theme lecture coming with intent config. 3. Demand from Students Submit Leaves Belonging to subject or More from themes restriction studying.

modalities Evaluation
1. Conduct two exams two quarters the first distance expiration the week Fifth from the classroom scholastic And the second distance the week atheistic ten from the classroom scholastic and considerate in All Exam levels mental (Remember , application, exploration) where Degree Calendar to her 40% of achievement total on me that Takes I see consideration perseverance requester and volume Share it daily. 2. Exam End the classroom scholastic And for him 60% of achievement According timings Ministry And take into account At put questions inclusivity content scheduled scholastic and levels mental (Remember , application, exploration).
C- Objectives Sentimental and value c1- You know Students on me ingredients the basic to network Internet c2- You know Students on me How deal With networks and its applications different c3- You know Students on me How deal With a program offers fallow Point c4- Get acquainted on me the network arachnoid And how search and withdraw Sources and knock download
modalities education and learning
Uses Usually style education direct where Done education skills in a form direct And frank booster By examples for stages education Basis
modalities Evaluation
Come inclusive With operations Evaluation By decision scholastic that Obtain during and end the classroom scholastic.
Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile). Dr1- Employment skills earned in education Knowledge I have Students Stage education Basis. Dr2-choice Examples from courses education Basis And to each Of which skills that eat it scheduled scholastic. Dr3-Evaluation Bezel acquisition pupils education Basis for skills application. Dr4- Building Tests Especially domains thinking for pupils Stage

education Basis.

structure scheduled .39

method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
calendar structural	Discussion and interrogation	an introduction About Inter net and browse web	an introduction About Inter net and browse web	2	1
calendar structural	Discussion and interrogation	to withdraw Sources and programs and photos	to withdraw Sources and programs and photos	2	2
calendar structural	Discussion and interrogation	formation Box Mail electronic and messaging	formation Box Mail electronic and messaging	2	3
calendar structural	Discussion and interrogation	Safety and protection	Safety and protection	2	4
calendar structural	Discussion and interrogation	change settings Inter net	change settings Inter net	2	5
calendar structural	————	Test Monthly	Test Monthly	2	6
calendar structural	Discussion and interrogation	employment fallow Point and create an offer introductory new	employment fallow Point and create an offer introductory new	2	7
calendar structural	Discussion and interrogation	build up Offers introductory using Templates design	build up Offers introductory using Templates design	2	8

calendar structural	Discussion and interrogation	to open an offer introductory new to open an offer introductory Existing Previously	to open an offer introductory new to open an offer introductory Existing Previously	2	9
calendar structural	Discussion and interrogation	Release and arrange offers introductory	Release and arrange offers introductory	2	10
calendar structural	Discussion and interrogation	Preservation and print	Preservation and print	2	11
calendar structural	Discussion and interrogation	change Design Width Presentation entire	change Design Width Presentation entire	2	12
calendar structural	Discussion and interrogation	Modification and transfer texts And add Business Artistic	Modification and transfer texts And add Business Artistic	2	13
calendar structural	Discussion and interrogation	Utilization Notes talker and get out from the program	Utilization Notes talker and get out from the program	2	14
calendar structural	————	Test Monthly	Test Monthly	2	15

structure substratum .40	
Nothing	1 books assessed required
Internet basics PowerPoint basics	2 the reviewer Main (Sources)
Benefit from periodicals and resources related to the course	a books and references that recommend with it (Journals Scientific , reports ,....)

Benefit from the international information network as well-known sources	B - the reviewer Electronic, sites the internet ….

plan Development scheduled scholastic   .41
1. Done Development scheduled According to requirements Which Appear in Development curricula in Phase education Basis 2. Done Development scheduled According to requirements Which Appear in Development curricula in the system Global 3. Accreditation on me courses that issued from Commission sectoral And you are orphaned Suggestion from Before colleges and universities

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program

description.**;**

University Diyala	Enterprise educational .65
College Education the basic	Section Scientific / Center .66
basics System Employment Windows	Noun / Code scheduled .67
Is mandatory	shapes Attendees .68 available
2020-2021	the classroom / the year .69
2 * 15 = 30	number hours tuition .70 (total)
1/ 10/ 2021	Date Preparation this the .7 description
Goals scheduled that is being requester knowledgeable with concepts .72 coming	
1- That the students know the concept of using the Windows system in an effective way that enables them to carry out computer work	
2- Increasing and expanding students' awareness of interacting with the software packages available from the Windows system	
3- Students should be familiar with the concept of using the programs attached to the operating systems	
outputs scheduled and modalities education and learning and evaluation .42	

A- Objectives Cognitive
a1- Tamkeen Students from get on me Knowledge and understanding principles System Employment Windows
a2- Tamkeen Students from get on me basics System Employment Windows
a3- Increase Awareness I have Students on me Importance Utilization the computer And program it with a picture General
a4-
a5-
a6-

B - Objectives Marathi own By decision.
B1 - an increase portability Students on me the speed And the sufficiency in Utilization System Employment Windows
B2 - increase portability Students on me Adaptation With all programs and applications Ready made used in the computer
B3 - increase portability Students on me Learn skills own in programs System Employment Windows
B4-

modalities education and learning

in Start the classroom Being inform Students vocabulary scheduled scholastic and sources the information (Books Same Relationship , periodicals , Messages undergraduate) and distributed vocabulary on me weeks the classroom study, and methods Calendar that will run followed , my agencies:
1. Initialize Lectures According to sequence Which rose in scheduled scholastic About road help with sources the information precedent The remembrance.
2. Notify Students About Theme lecture coming with intent config.
3. Demand from Students Submit Leaves Belonging to subject or More from themes restriction studying.

modalities Evaluation

1. Conduct two exams two quarters the first distance expiration the week Fifth from the classroom scholastic And the second distance the week atheistic ten from the classroom scholastic and considerate in All Exam levels mental (Remember , application, exploration) where Degree Calendar to her 40% of achievement total on me that Takes I see consideration perseverance requester and volume Share it daily.
2. Exam End the classroom scholastic And for him 60% of achievement

According timings Ministry And take into account At put questions inclusivity content scheduled scholastic and levels mental (Remember , application, exploration).

C- Objectives Sentimental and value
c1- You know Students on me ingredients the basic for a window the system
c2- You know Students on me How deal With programs the system
c3- You know Students on me How deal With windows the basic for the system
c4- use And deal With the flash and printer And Elsie d

modalities education and learning

Uses Usually style education direct where Done education skills in a form direct And frank booster By examples for stages education Basis

modalities Evaluation

Come inclusive With operations Evaluation By decision scholastic that Obtain during and end the classroom scholastic.

Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile).
Dr1- Employment skills earned in education Knowledge I have Students Stage education Basis.
Dr2-choice Examples from courses education Basis And to each Of which skills that eat it scheduled scholastic.
Dr3-Evaluation Bezel acquisition pupils education Basis for skills application.
Dr4- Building Tests Especially domains thinking for pupils Stage education Basis.

structure scheduled .43

method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
calendar structural	Discussion and interrogation	Identify on me the computer and its components physical and	Identify on me the computer and its components physical and	2	1

		software	software		
calendar structural	Discussion and interrogation	Identify on me Face the user And how Close Calculator and re run it	Identify on me Face the user And how Close Calculator and re run it	2	2
calendar structural	Discussion and interrogation	ingredients Window a program roses	ingredients Window a program roses	2	3
calendar structural	Discussion and interrogation	deal With windows And change its diver and control in Methods an offer its contents	deal With windows And change its diver and control in Methods an offer its contents	2	4
calendar structural	Discussion and interrogation	existing clicked the button right and surface the desk and its contents and bar mission and list Start	existing clicked the button right and surface the desk and its contents and bar mission and list Start	2	5
calendar structural	——————	Test Monthly	Test Monthly	2	6
calendar structural	Discussion and interrogation	features Width and configure Folder and delete it and copy it	features Width and configure Folder and delete it and copy it	2	7
calendar structural	Discussion and interrogation	formation abbreviated shortcat And Survey Basket Recycle and method Return Recycle	formation abbreviated shortcat And Survey Basket Recycle and method Return Recycle	2	8
calendar structural	Discussion and interrogation	writing And save and open and copy And print and send the documents	writing And save and open and copy And print and send the documents	2	9
calendar structural	Discussion and interrogation	Identify on me Window (mycomputer)	Identify on me Window (mycomputer)	2	10

calendar structural	Discussion and interrogation	Identify on me Window (window explorer)	Identify on me Window (window explorer)	2	11
calendar structural	Discussion and interrogation	Identify on me Window (control panel)	Identify on me Window (control panel)	2	12
calendar structural	Discussion and interrogation	deal With CD and flash and printer	deal With CD and flash and printer	2	13
calendar structural	Discussion and interrogation	viruses	viruses	2	14
calendar structural	———————	Test Monthly	Test Monthly	2	15

structure substratum .44	
Nothing	1 books assessed required
Windows operating system7 Windows operating system8	2 the reviewer Main (Sources)
Benefit from periodicals and resources related to the course	a books and references that recommend with it (Journals Scientific , reports ,....)
Benefit from the international information network as well-known sources	B - the reviewer Electronic, sites the internet ....

plan Development scheduled scholastic   .45
1. Done Development scheduled According to requirements Which Appear in Development curricula in Phase education Basis 2. Done Development scheduled According to requirements Which Appear in Development curricula in the system Global 3. Accreditation on me courses that issued from Commission sectoral And you are orphaned Suggestion from Before colleges and universities

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

College Education the basic	Enterprise educational .73
Calculators	Section Scientific / Center .74
structures intermittent	Noun / Code scheduled .75
Is mandatory	shapes Attendees .76 available

the classroom scholastic second / year The first	the classroom / the year .77
30 hours	number hours tuition .78 (total)
1/ 10/ 2021	Date Preparation this the .7 description

Goals scheduled   .80
Understand the basic concepts of analysis and development of discrete   -11 structures in the calculator
Understand the basic stages in the formation of discontinuous structures   -12
3. Identify and collect requirements for discontinuous structures
Infer the specification of the graphic structure by analyzing the data   -15
Provide clear analysis and design of a graphical structure using charts   -16

outputs scheduled and modalities education and learning and evaluation .46
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding from During absorb and analysis material structures intermittent a2- Tamkeen Students from get on me Knowledge and understanding for examples About structures intermittent in various ways its forms a3- Empowerment Students from get on me Knowledge and understanding About material structures intermittent a4- Empowerment Students from get on me Knowledge and understanding No matter issues that Belonging to structures intermittent a5- Empowerment Students from get on me Knowledge and understanding to analyze and interpretation issues material structures intermittent a6- Empowerment Students from get on me Knowledge and understanding Bahm Sources and references study structures intermittent
B - Objectives Marathi own By decision. B1 - compare between Species structures intermittent different B2 - Analyze material structures intermittent And explains Her reasons . B3 - Apply writing paper or Search in Theme from Topics structures intermittent B4- Collect information About structures intermittent and structures intermittent
modalities education and learning
1. Supply Students With the basics and topics related with structures intermittent . 2. Clarification And explain Subject tuition from Before Mr. Subject 3. Claim Students visit the library examining on me Sources study structures

intermittent .

modalities Evaluation

1. Tests daily with questions specific 2. Lay grades for assignments household and posts class . 3. Tests monthly with questions objectivity and frying pan

C- Objectives Sentimental and value c1- That explains And he analyzes evidence for structures intermittent of all kinds . c2- differentiate between nature structures intermittent of all kinds . c3- He resides Some texts and information About structures intermittent . c4- Compare between structures intermittent structures intermittent.

modalities education and learning

1. Method Solution the problems. 2. storm mental . 3. method simulation

modalities Evaluation

1. The exam Editorial To measure capacity requester on me thinking and analysis conclusion. 2. writing Research About Some Examples structures intermittent. 3. exams daily with guidance Questions intellectual and deductive.

Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile). Dr1- It is used Sources and references contemporary. Dr2- formation a group from Students to study and structures intermittent Dr3- Statement from institutions Country Same Relationship with structures intermittent to increase acquaintances Students and distribute it. Dr4- Statement from centers documents and libraries that Contains on me manuscripts and documents structures intermittent

structure scheduled .47

method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
participation class	lecture And	analysis and design	Enable Students from	3	the first

	casting	structures graphic	Understanding structures graphic and analyze it		
participation class	lecture And casting	analyzer systems	Enable Students from knowledge structures intermittent	3	The second
participation class	lecture And casting	Forms About acting data	Enable Students from save Forms About acting data	3	Third
participation class	lecture And casting	requirements structures intermittent	Enable Students from knowledge requirements structures evidence	3	the fourth
participation class	lecture And casting	Specifications the structure My statement from During analysis the structure My statement	the definition With all Specifications the structure My statement in detail	3	Fifth
participation class	lecture And casting	Design structure My statement the information It includes interface the user and lists and systems sub	Enable Students from knowledge patterns Design structure My statement the information	3	VI
		the exam monthly			VII
structure substratum .48					
- structures intermittent -discretemathamtics			1 books assessed required		

structures intermittent ,	2 the reviewer Main (Sources)
Claim Students in numbers reports monthly About themes that They study it	a books and references that recommend with it (Journals Scientific , reports ,....)
- Location Archives - Location allure - Location Our library Arabic	B - the reviewer Electronic, sites the internet ....

plan Development scheduled scholastic   .49
1. Work on me Polarization Masters from universities other to throw Lectures Scientific specialized with structures intermittent . 2. assignment Students Achievement Research study field what suffer language anti from problems social And psychology and put Solutions effective for those the problems and tackle phenomena that He suffers Of which They studied structures intermittent

M. Zainab Qahtan Muhammad

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

University Diyala / College to breed the basic	Enterprise educational .81
Section Scientific / Calculators	Section Scientific / Center .82
Flag self the growth	Noun / Code scheduled .83
Is mandatory	shapes Attendees .84 available
The second / phase The first	the classroom / the year .85
45 hours	number hours tuition .86 (total)
1/ 10/ 2021	Date Preparation this the .8 description
Goals scheduled .88	
Understand and internalize the philosophy and principles of -1 developmental psychology.	
Knowledge of the theoretical framework of growth. -2	

Defining the student what is the relationship between developmental psychology and human development in different stages	3-
Introducing students to the general laws of growth and their use in daily life.	4-
Introducing students to the characteristics, features and advantages of the stages of development that a person goes through.	5-

50. outputs scheduled and modalities education and learning and evaluation
A- Objectives Cognitive a1- He knows Concept Flag self the growth . a2- Definition requester with theories Mental and pedagogical in the growth Cognitive a3- Explain for the student Importance Phase the growth that passes with it Human. a4- Explain for the student How deal With others. a5- Definition requester at best styles pedagogical to deal With Child. a6-
B - Objectives Marathi own By decision. B1 - applies writing paper or Search in any Theme from themes Flag self the growth . B2 - to collect information About phenomena and problems own by growth. B3 - decomposition Reasons problems the growth and confront it. B4-
modalities education and learning
supply Students With reasons and topics related with knowledge same   1- the growth. Claim Students visit the library And see on me websites e to get on me   2- knowledge extra with knowledge self the growth . Utilization modalities diction and the lecture and discussion.   3-
modalities Evaluation
tests daily with questions specific.   1- put grades To participate class.   2- Assigned requester accomplished reports About Article tuition.   3- tests monthly with questions objectivity and frying pan.   4-

C- Objectives Sentimental and value c1- He realizes Importance Materials pedagogical. c2- He gives Importance for problems that You must Solutions A quick. c3- Practice activities pedagogical. c4-

modalities education and learning
method storming mental.   -1 fee charts guiding.   -2 Utilization method offers introductory.   -3

modalities Evaluation
the exam Editorial To measure capacity requester on me thinking And   -1 imagine conclusion. Exams daily under guidance Questions court and deductive   -2 writing reports.   -3

Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile). Dr1- Skills Utilization the reviewer and jargon. Dr2- Skills Preparation concepts own About Topic Dr3- Skills Procedure comparisons About Topic. Dr4- Skills to exploit what Available from potential.

Mr. Dr. Abdul Razzaq Jadoua

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

University Diyala	Enterprise educational .89
College Education the basic	Section Scientific / Center .90
Processed microspheres	Noun / Code scheduled .91
Is mandatory	shapes Attendees .92 available
the classroom scholastic the first / the year the second	the classroom / the year .93
3 * 15 = 45	number hours tuition .94 (total)
1/ 10/ 2021	Date Preparation this the .9 description
Goals scheduled that is being requester knowledgeable with concepts .96 coming	
1- Students should know what microprocessors are, the most important	

types, and the history of their development
2- Increasing and expanding students' awareness of what is related to arithmetic and logical operations and addressing methods in Al-Mahalaj (8085)
3- That the students recognize the most important instructions of the processor (8085) and learn about its parts and structure
4- Students should be familiar with the most important sequential operations in execution in processors
5 - Knowing the assembly language and the most important groups of instructions and writing program code
outputs scheduled and modalities education and learning and evaluation .51
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding principles wizards microspheres a2- Tamkeen Students from get on me basics wizards microspheres a3- Increase Awareness I have Students on me Importance Understanding else developments and updates on me wizards microspheres a4- Empowerment Students from get on me basics language compilation a5- a6-
B - Objectives Marathi own By decision. B1 - Excellence between Species wizards different And find out its structure B2 - Possibility Students on me Understanding language compilation and absorb Her orders B3 - know on me Structural Healer (8085)and date development wizards B4-
modalities education and learning
in Start the classroom Being inform Students vocabulary scheduled scholastic and sources the information (Books Same Relationship , periodicals , Messages undergraduate) and distributed vocabulary on me weeks the classroom study, and methods Calendar that will run followed , my agencies: 1. Initialize Lectures According to sequence Which rose in scheduled scholastic About road help with sources the information precedent The remembrance.

2. Notify Students About Theme lecture coming with intent config. 3. Demand from Students Submit Leaves Belonging to subject or More from themes restriction studying.
modalities Evaluation
from During the exams daily from During the exams weekly from During the exams monthly
C- Objectives Sentimental and value 1. Conduct two exams two quarters the first distance expiration the week Fifth from the classroom scholastic And the second distance the week atheistic ten from the classroom scholastic and considerate in All Exam levels mental (Remember , application, exploration) where Degree Calendar to her 40% of achievement total on me that Takes I see consideration perseverance requester and volume Share it daily. 2. Exam End the classroom scholastic And for him 60% of achievement According timings Ministry And take into account At put questions inclusivity content scheduled scholastic and levels mental (Remember , application, exploration).
modalities education and learning
Uses Usually style education direct where Done education skills in a form direct And frank booster By examples for stages education Basis
modalities Evaluation
Come inclusive With operations Evaluation By decision scholastic that Obtain during and end the classroom scholastic.
Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile). Dr1- Employment skills earned in education Knowledge I have Students Stage education Basis. Dr2-choice Examples from courses education Basis And to each Of which skills that eat it scheduled scholastic. Dr3-Evaluation Bezel acquisition pupils education Basis for skills application.

	Dr4- Building Tests Especially domains thinking for pupils Stage education Basis.

structure scheduled .52					
method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
calendar structural	Discussion and interrogation	Introduction to MP architecture	Introduction to MP architecture	2	1
calendar structural	Discussion and interrogation	MP architecture and operation	MP architecture and operation	2	2
calendar structural	Discussion and interrogation	80,805 MP	80,805 MP	2	3
calendar structural	Discussion and interrogation	Introduction to 8085 instructions	Introduction to 8085 instructions	2	4
calendar structural	Discussion and interrogation	Data transfer operation	Data transfer operation	2	5
calendar structural	————————	Test Monthly	Test Monthly	2	6
calendar structural	Discussion and interrogation	Arithmetic operation	Arithmetic operation	2	7
calendar structural	Discussion and interrogation	logic operations	logic operations	2	8
calendar	Discussio	branch operation	branch operation	2	9

structural	n and interrogation				
calendar structural	Discussion and interrogation	Writing assembly language programme	Writing assembly language programme	2	10
calendar structural	Discussion and interrogation	Counter and time delays	Counter and time delays	2	11
calendar structural	Discussion and interrogation	Stock and subroutines	Stock and subroutines	2	12
calendar structural	Discussion and interrogation	Multiplication	Multiplication	2	13
calendar structural	Discussion and interrogation	Interrupts	Interrupts	2	14
calendar structural	————	Test Monthly	Test Monthly	2	15

structure substratum .53	
Nothing	1 books assessed required
Treatments8085 and 8086	2 the reviewer Main (Sources)
Recent publications related to the study period	a books and references that recommend with it (Journals Scientific , reports ,....)
Local sites Arab sites global sites	B - the reviewer Electronic, sites the internet ....

plan Development scheduled scholastic .54

.Complete Development scheduled According to requirements Which Appear in Development curricula in Phase education Basis
2. Done Development scheduled According to requirements Which Appear in Development curricula in the system Global
3. Accreditation on me courses that issued from Commission sectoral And you are orphaned Suggestion from Before colleges and universities

M. Zainab Qahtan Muhammad

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

University Diyala	Enterprise educational .97
College Education the basic	Section Scientific / Center .98
Package Microsoft rose (Organized ready)	Noun / Code scheduled .99
Is mandatory	shapes Attendees .100 available
the classroom scholastic second / year The first	the classroom / the year .101
2 * 15 = 30	number hours tuition .102 (total)
1/ 10/ 2021	Date Preparation this the .1 description
Goals scheduled that is being requester knowledgeable with concepts .104 coming	
1- That the students recognize the concept of using the Word program in an effective way that enables them to do printing work	
2- Increasing and expanding students' awareness of interacting with ready-made office software packages provided by Microsoft	
3- That the students recognize the concept of using the document in the Word program	
outputs scheduled and modalities education and learning and evaluation .55	
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding principles microsoft rose a2- Tamkeen Students from get on me basics microsoft rose a3- Increase Awareness I have Students on me Importance Utilization the computer And program it with a picture General a4- a5- a6-	

B - Objectives Marathi own By decision.
B1 - an increase portability Students on me the speed in printing
B2 - increase portability Students on me Adaptation With all programs and applications Ready made used in the computer
B3 - increase portability Students on me Learn skills own in a program microsoft rose
B4-

modalities education and learning

in Start the classroom Being inform Students vocabulary scheduled scholastic and sources the information (Books Same Relationship , periodicals , Messages undergraduate) and distributed vocabulary on me weeks the classroom study, and methods Calendar that will run followed , my agencies:

1. Initialize Lectures According to sequence Which rose in scheduled scholastic About road help with sources the information precedent The remembrance.
2. Notify Students About Theme lecture coming with intent config.
3. Demand from Students Submit Leaves Belonging to subject or More from themes restriction studying.

modalities Evaluation

1. Conduct two exams two quarters the first distance expiration the week Fifth from the classroom scholastic And the second distance the week atheistic ten from the classroom scholastic and considerate in All Exam levels mental (Remember , application, exploration) where Degree Calendar to her 40% of achievement total on me that Takes I see consideration perseverance requester and volume Share it daily.
2. Exam End the classroom scholastic And for him 60% of achievement According timings Ministry And take into account At put questions inclusivity content scheduled scholastic and levels mental (Remember , application, exploration).

C- Objectives Sentimental and value
c1- You know Students on me ingredients the basic for a window the program
c2- You know Students on me How deal With the document inside the

program
c3- You know Students on me How deal With tapes Main to the window c4- use tapes and tools available in the program

modalities education and learning

Uses Usually style education direct where Done education skills in a form direct And frank booster By examples for stages education Basis

modalities Evaluation

Come inclusive With operations Evaluation By decision scholastic that Obtain during and end the classroom scholastic.

Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile). Dr1- Employment skills earned in education Knowledge I have Students Stage education Basis. Dr2-choice Examples from courses education Basis And to each Of which skills that eat it scheduled scholastic. Dr3-Evaluation Bezel acquisition pupils education Basis for skills application. Dr4- Building Tests Especially domains thinking for pupils Stage education Basis.

structure scheduled .56

method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
calendar structural	Discussion and interrogation	Identify on me a program roses and knock employment the program	Identify on me a program roses and knock employment the program	2	1
calendar structural	Discussion and interrogation	Methods Close files open within a program roses And fly s Close the program	Methods Close files open within a program roses And fly s Close the program	2	2

calendar structural	Discussion and interrogation	ingredients Window a program roses	ingredients Window a program roses	2	3
calendar structural	Discussion and interrogation	Writing in the document and specify shading Text	Writing in doc and specify shading Text	2	4
calendar structural	Discussion and interrogation	Identify on me coordination Text from During ribbon the page Main	Identify on me coordination Text from During ribbon the page Main	2	5
calendar structural	―――――― ――――――	Test Monthly	Test Monthly	2	6
calendar structural	Discussion and interrogation	coordination cell Line include change size color Type Line make Writing black bold italics ruler alignment left to the right in the middle setting Writing	coordination cell Line include change size color Type Line make Writing black bold italics ruler alignment left to the right in the middle setting Writing	2	7
calendar structural	Discussion and interrogation	Identify on me tapes the program the page Main tab Inclusions	Identify on me tapes the program the page Main tab Inclusions	2	8
calendar structural	Discussion and interrogation	Identify on me tapes the program Planning the page tab the reviewer	Identify on me tapes the program Planning the page tab the reviewer	2	9
calendar structural	Discussion and interrogation	Identify on me tapes the program tab Correspondence tab an offer	Identify on me tapes the program tab Correspondence tab an offer	2	10
calendar structural	Discussion and interrogation	Identify on me tapes the program tab body tab the design	Identify on me tapes the program tab body tab the design	2	11
calendar structural	Discussion and interrogation	Identify on me existing file	Identify on me existing file	2	12

calendar structural	Discussion and interrogation	backing down to me a step to me successor return to me step suffix	backing down to me a step to me successor return to me step suffix	2	13
calendar structural	Discussion and interrogation	preview Before printing and print Table All paper	preview Before printing and print Table All paper	2	14
calendar structural	————	Test Monthly	Test Monthly	2	15

structure substratum .57	
Nothing	1 books assessed required
Microsoft Rose2010	2 the reviewer Main (Sources)
Benefit from periodicals and resources related to the course	a books and references that recommend with it (Journals Scientific , reports ,....)
Benefit from the international information network as well-known sources	B - the reviewer Electronic, sites the internet ....

plan Development scheduled scholastic   .58
1. Done Development scheduled According to requirements Which Appear in Development curricula in Phase education Basis
2. Done Development scheduled According to requirements Which Appear in Development curricula in the system Global
3. Accreditation on me courses that issued from Commission sectoral And you are orphaned Suggestion from Before colleges and universities

M. Yasser Ali Mutni

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

University Diyala	Enterprise educational .105
College Education the basic	Section Scientific / Center .10
Package Microsoft Offs	Noun / Code scheduled .107
Is mandatory	shapes Attendees .108 available
2020-2021	the classroom / the year .109
3 * 15 = 45	number hours tuition .110 (total)
1/ 10/ 2021	Date Preparation this the .1 description

Goals scheduled that is being requester knowledgeable with concepts   112. coming
1- That the students recognize the concept of using the Excel program in an effective way that enables them to do mathematical, statistical and logical work.
2- Increasing and expanding students' awareness of interacting with ready-made office software packages provided by Microsoft
3- That the students recognize the concept of using the wordpress program
4- That the students become acquainted with the concept of using the Word program in an effective way, enabling them to use the toolbars
5- To familiarize the students with the concept of using the PowerPoint presentations program
6- That the students become familiar with the concept of using presentation slides within the PowerPoint program, which enables them to make presentation projects
outputs scheduled and modalities education and learning and evaluation 59.
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding principles microsoft Offs a2- Tamkeen Students from get on me basics microsoft Offs a3- Increase Awareness I have Students on me Importance Utilization the computer And program it with a picture General
B - Objectives Marathi own By decision. B1 - an increase portability Students on me the speed in printing And a procedure Processes sports and statistic B2 - increase portability Students on me Adaptation With all programs and applications Ready made used in the computer B3 - increase portability Students on me Learn skills own in a program microsoft Offs B4-
modalities education and learning
in Start the classroom Being inform Students vocabulary scheduled scholastic and sources the information (Books Same Relationship , periodicals , Messages undergraduate) and distributed vocabulary on me weeks the classroom study, and methods Calendar that will run followed ,

my agencies:
1. Initialize Lectures According to sequence Which rose in scheduled scholastic About road help with sources the information precedent The remembrance.
2. Notify Students About Theme lecture coming with intent config.
3. Demand from Students Submit Leaves Belonging to subject or More from themes restriction studying.

modalities Evaluation
1. Conduct two exams two quarters the first distance expiration the week Fifth from the classroom scholastic And the second distance the week atheistic ten from the classroom scholastic and considerate in All Exam levels mental (Remember , application, exploration) where Degree Calendar to her 40% of achievement total on me that Takes I see consideration perseverance requester and volume Share it daily.
2. Exam End the classroom scholastic And for him 60% of achievement According timings Ministry And take into account At put questions inclusivity content scheduled scholastic and levels mental (Remember , application, exploration).

C- Objectives Sentimental and value
c1- You know Students on me ingredients the basic system microsoft Offs
c2- You know Students on me How deal With doc inside a program roses
c3- You know Students on me How deal With tapes Main for windows the system
c4- use functions and formulas arithmetic and performances introductory and docs typography

modalities education and learning
Uses Usually style education direct where Done education skills in a form direct And frank booster By examples for stages education Basis

modalities Evaluation
Come inclusive With operations Evaluation By decision scholastic that Obtain during and end the classroom scholastic.

Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile).

Dr1- Employment skills earned in education Knowledge I have Students Stage education Basis.

Dr2-choice Examples from courses education Basis And to each Of which skills that eat it scheduled scholastic.

Dr3-Evaluation Bezel acquisition pupils education Basis for skills application.

Dr4- Building Tests Especially domains thinking for pupils Stage education Basis.

structure scheduled .60

method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
calendar structural	Discussion and interrogation	Identify on me a program Excel and knock employment the program	Identify on me a program Excel and knock employment the program	2	1
calendar structural	Discussion and interrogation	Methods Close files open within a program Excel And fly s Close the program	Methods Close files open within a program Excel And fly s Close the program	2	2
calendar structural	Discussion and interrogation	ingredients Window a program Excel	ingredients Window a program Excel	2	3
calendar structural	Discussion and interrogation	Writing in paper the work and specify shading Text	Writing in paper the work and specify shading Text	2	4
calendar structural	Discussion and interrogation	Identify on me coordination Text from During ribbon the page Main	Identify on me coordination Text from During ribbon the page Main	2	5
calendar structural	————————	Test Monthly	Test Monthly	2	6
calendar structural	Discussion and	Identify on me a program Excel and knock	Identify on me a program roses and knock	2	7

	interrogation	employment the program	employment the program		
calendar structural	Discussion and interrogation	Methods Close files open within a program roses And fly s Close the program	Methods Close files open within a program roses And fly s Close the program	2	8
calendar structural	Discussion and interrogation	Identify on me tapes the program the page Main tab Inclusions	Identify on me tapes the program the page Main tab Inclusions	2	9
calendar structural	Discussion and interrogation	Identify on me tapes the program Planning the page tab the reviewer	Identify on me tapes the program Planning the page tab the reviewer	2	10
calendar structural	Discussion and interrogation	Identify on me tapes the program tab Correspondence tab an offer	Identify on me tapes the program tab Correspondence tab an offer	2	11
calendar structural	Discussion and interrogation	Identify on me existing file	Identify on me existing file	2	12
calendar structural	Discussion and interrogation	employment fallow Point and create an offer introductory new	employment fallow Point and create an offer introductory new	2	13
calendar structural	Discussion and interrogation	build up Offers introductory using Templates design	build up Offers introductory using Templates design	2	14
calendar structural	————	Test Monthly	Test Monthly	2	15

structure substratum .61	
Nothing	1 books assessed required
Microsoft2010 Microsoft2007	2 the reviewer Main (Sources)

Benefit from periodicals and resources related to the course	a books and references that recommend with it (Journals Scientific , reports ,....)
Benefit from the international information network as well-known sources	B - the reviewer Electronic, sites the internet ....

plan Development scheduled scholastic   .62
.Complete Development scheduled According to requirements Which Appear in Development curricula in Phase education Basis 2. Done Development scheduled According to requirements Which Appear in Development curricula in the system Global 3. Accreditation on me courses that issued from Commission sectoral And you are orphaned Suggestion from Before colleges and universities

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected

of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

University Diyala	Enterprise educational .113
College Education the basic	Section Scientific / Center .11
Package Microsoft Excel	Noun / Code scheduled .115
Is mandatory	shapes Attendees .116 available
the classroom scholastic second / year The first	the classroom / the year .117
2 * 15 = 30	number hours tuition .118 (total)
1/ 10/ 2021	Date Preparation this the .1 description
Goals scheduled that is being requester knowledgeable with concepts .120 coming	
1- That the students recognize the concept of using the Excel program in an effective way that enables them to do mathematical, statistical and logical work.	
2- Increasing and expanding students' awareness of interacting with ready-made office software packages provided by Microsoft	
3- Students should know the concept of using mathematical formulas that include functions in the Excel program	
outputs scheduled and modalities education and learning and evaluation .63	

A- Objectives Cognitive
a1- Tamkeen Students from get on me Knowledge and understanding principles microsoft Excel
a2- Tamkeen Students from get on me basics microsoft Excel
a3- Increase Awareness I have Students on me Importance Utilization the computer And program it with a picture General
a4-
a5-
a6-

B - Objectives Marathi own By decision.
B1 - an increase portability Students on me the speed in Achievement Processes Sports and statistic and logical
B2 - increase portability Students on me Adaptation With all programs and applications Ready made used in the computer
B3 - increase portability Students on me Learn skills own in a program microsoft Excel
B4-

modalities education and learning
in Start the classroom Being inform Students vocabulary scheduled scholastic and sources the information (Books Same Relationship , periodicals , Messages undergraduate) and distributed vocabulary on me weeks the classroom study, and methods Calendar that will run followed , my agencies: 1. Initialize Lectures According to sequence Which rose in scheduled scholastic About road help with sources the information precedent The remembrance. 2. Notify Students About Theme lecture coming with intent config. 3. Demand from Students Submit Leaves Belonging to subject or More from themes restriction studying.

modalities Evaluation
1. Conduct two exams two quarters the first distance expiration the week Fifth from the classroom scholastic And the second distance the week atheistic ten from the classroom scholastic and considerate in All Exam levels mental (Remember , application, exploration) where Degree Calendar to her 40% of achievement total on me that Takes I see consideration perseverance requester and volume Share it daily. 2. Exam End the classroom scholastic And for him 60% of achievement According timings Ministry And take into account At put questions

inclusivity content scheduled scholastic and levels mental (Remember , application, exploration).
C- Objectives Sentimental and value c1- You know Students on me ingredients the basic for a window the program c2- You know Students on me How deal With Leaves the work inside Adjective the one for the program c3- You know Students on me How deal With tapes Main to the window c4- use functions and formulas arithmetic
modalities education and learning
Uses Usually style education direct where Done education skills in a form direct And frank booster By examples for stages education Basis
modalities Evaluation
Come inclusive With operations Evaluation By decision scholastic that Obtain during and end the classroom scholastic.
Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile). Dr1- Employment skills earned in education Knowledge I have Students Stage education Basis. Dr2-choice Examples from courses education Basis And to each Of which skills that eat it scheduled scholastic. Dr3-Evaluation Bezel acquisition pupils education Basis for skills application. Dr4- Building Tests Especially domains thinking for pupils Stage education Basis.

structure scheduled .64					
method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
calendar structural	Discussion and interrogation	Identify on me a program Excel and knock employment the program	Identify on me a program Excel and knock employment the program	2	1
calendar structural	Discussion and interrogation	Methods Close files open within a program Excel And fly s Close the program	Methods Close files open within a program Excel And fly s Close the program	2	2
calendar structural	Discussion and interrogation	ingredients Window a program Excel	ingredients Window a program Excel	2	3
calendar structural	Discussion and interrogation	Writing in paper the work and specify shading Text	Writing in paper the work and specify shading Text	2	4
calendar structural	Discussion and interrogation	Identify on me coordination Text from During ribbon the page Main	Identify on me coordination Text from During ribbon the page Main	2	5
calendar structural	————————	Test Monthly	Test Monthly	2	6
calendar structural	Discussion and interrogation	coordination cell Line include change size color Type Line make Writing black bold italics ruler alignment left to the right in the middle setting Writing	coordination cell Line include change size color Type Line make Writing black bold italics ruler alignment left to the right in the middle setting Writing	2	7

calendar structural	Discussion and interrogation	Identify on me tapes the program the page Main tab Inclusions	Identify on me tapes the program the page Main tab Inclusions	2	8
calendar structural	Discussion and interrogation	Identify on me tapes the program Planning the page tab Sources	Identify on me tapes the program Planning the page tab Sources	2	9
calendar structural	Discussion and interrogation	Identify on me tapes the program tab formulas tab data	Identify on me tapes the program tab formulas tab data	2	10
calendar structural	Discussion and interrogation	Identify on me tapes the program tab an offer tab the design	Identify on me tapes the program tab an offer tab the design	2	11
calendar structural	Discussion and interrogation	formula ingredients formula Factors Comparison Utilization parentheses	formula ingredients formula Factors Comparison Utilization parentheses	2	12
calendar structural	Discussion and interrogation	Definition of function build up formulas arithmetic	Definition of function build up formulas arithmetic	2	13
calendar structural	Discussion and interrogation	build up Formula Includes function ready	build up Formula Includes function ready	2	14
calendar structural	——————	Test Monthly	Test Monthly	2	15

structure substratum .65	
Nothing	1 books assessed required
Microsoft Excel2010	2 the reviewer Main (Sources)

Benefit from periodicals and resources related to the course	a books and references that recommend with it (Journals Scientific , reports ,....)
Benefit from the international information network as well-known sources	B - the reviewer Electronic, sites the internet ....

plan Development scheduled scholastic   .66
1. Done Development scheduled According to requirements Which Appear in Development curricula in Phase education Basis 2. Done Development scheduled According to requirements Which Appear in Development curricula in the system Global 3. Accreditation on me courses that issued from Commission sectoral And you are orphaned Suggestion from Before colleges and universities

M. Aqil Thamer Jawad

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

University Diyala / college Education the basic	Enterprise educational .12
to divide Calculators	Section Scientific / .122 Center
techniques pedagogical	Noun / Code scheduled .1
Ministry education Higher and search Scientific	programs that Enters In .1 which
Is mandatory	shapes Attendees .125 available
the classroom scholastic Fifth -the year Third	the classroom - And the .1 year
2 x 15 = 30	number hours tuition .12 (total)
1/ 10/ 2021	Date Preparation this .12 the description

9- Course Objectives: The student should be familiar with the following information and have the skills to use it in life problems

The importance of educational methods and techniques, their concept -1 and benefits

Evolution of the concept of educational technology -2

The role of communication theory in the development of the concept of -3 technology

Some educational aids and techniques - including audio aids and -4 techniques (audio recordings, school radio, language laboratories, radio)

Visual techniques (paintings, blackboards, illustrations, maps, globes, -5 charts, slides, transparencies,)

Audiovisual technologies (films of all kinds, educational television, video, -6 educational cinema?, remote communication, closed-circuit television

Satellites and the Internet. -7

Technical skills in learning and training - Education design - -8

outputs scheduled and modalities education and learning and   .67 evaluation

A- Knowledge and understanding :

1-An Realize requester meaning of techniques pedagogical from where (define it, its roses in The Quran Generous And the biography prophetic/

2- That Known requester Importance tech T pedagogical And its benefits

3- That Known requester How do Uses techniques pedagogical As a means help in education

4- That Known requester development techniques pedagogical

5- That He distinguishes requester between techniques pedagogical from where its types (audio, visual, audio visual)

6- That Known requester theory Connection And its role in proces learning

7- That Known requester Utilization the internet in Help on me get on me the information .

8- That Known requester How Action moons industrial in Transfer Knowledge

9- That Known requester How use techniques pedagogical At apply it in his field Practical

B - Objectives Marathi own subject

 that made up I have Students skills Utilization techniques pedagogical with all Its types and levels in domains the following:

 1- Meaning techniques pedagogical from where (define it, its roses in The Quran Generous And the biography prophetic/

2- He knows requester Importance tech T pedagogical And its benefits

3- He knows requester How do Uses techniques pedagogical As a means help in education

4- Distinguish requester between techniques pedagogical from where its types (audio, visual, audio visual)

5- He knows requester theory Connection And its role in proces learning

6- That Known requester Utilization the internet in Help on me get on me the information .

7- That Known requester How Action moons industrial in Transfer Knowledge

*modalities education and learning

 1-to use Usually style education direct to define With techniques pedagogical, where Done education techniques pedagogical in a form direct enhanced with examples About How use it in teaching mathematics to stage education Basis.

 2-initialize Lectures According to sequence Which rose in scheduled scholastic About road help with sources the information precedent The remembrance.

 3-Inform Students with a subject lecture suffix to configure.

4-Submit Students Leaves Belonging to subject or More from themes restriction the lesson.

*modalities Evaluation

Come inclusive With operations Evaluation own at headquarters scholastic that Obtain during the classroom scholastic And the end of it.?
C- Objectives Sentimental and value

*modalities education and learning

Uses Usually style education direct for techniques pedagogical where Done education skills own With techniques pedagogical from During use it and running And find out its characteristics and their features And how Width from through it and use it say Knowledge to me the pupils with a picture interesting And solidarity With scheduled tuition .

*modalities Evaluation

Come inclusive With operations Evaluation own By decision scholastic that you get during and end the classroom scholastic
Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile). 1-Employment techniques pedagogical in education Knowledge I have pupils Stage education Basis 2-use techniques pedagogical in give Examples from through it Complete Learn skills eat it scheduled scholastic 3- Evaluation Bezel acquisition the pupils in education Basis for skills Learn devices modern 4- Building Tests M During Utilization techniques pedagogical Especially with a subject the computer And how eat it with a picture interesting for pupils.

structure scheduled .68					
method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
calendar structural	Discussion and interrogation	Definition of means educational, first Instrument educational in The Quran	Definition of means and techniques pedagogical. existence And definition with it By the Quran And the year antiseptic	2	1
calendar structural	Debate and questioning	frail woo means Technology in education	Importance means and techniques pedagogical	2	2
calendar structural	Debate and questioning	How do evolved means educational	development Concept techniques pedagogical	2	3
calendar structural	Debate and questioning	theory Connection And its role in proces learning	Role theory Connection in Concept techniques pedagogical	2	4
calendar structural	Debate and questioning	classification means and techniques pedagogical	Some means and techniques pedagogical	2	5
calendar structural	---------	Questions from Subject assessed	Exam Monthly	2	6
calendar structural	Debate and questioning	means that you hear By permission Utilization sense hearing	means and techniques audio	2	7
calendar structural	Debate and questioning	means that Complete Width to see by eye any Utilization sense sight	means and techniques visual	2	8
calendar structural	Debate and questioning	means that be audio And visual any Utilization my sense hearing And sight	means and techniques audio visual	2	9
calendar structural	Debate and questioning	Definition of by satellites industrial And how her job	moons industrial and her work	2	10

calendar structural	Debate and questioning	Identify on the internet and network the information international And how Access for him and search and a receipt the information	the internet	2	11
calendar structural	Debate and questioning	How Design the program educational	Design education	2	12
calendar structural	Debate and questioning	How Design techniques pedagogical from the environment local	the environment local and design techniques pedagogical	2	13
calendar structural	Discussion	an offer devices Before students and operate it	Some devices Width	2	14
calendar structural	Discussion	an offer devices Before Students and running	Some devices Width	2	15

structure substratum .69

There is no approved textbook for teaching, but a variety of sources are used to cover the theoretical aspect of the prescribed academic course	1 books assessed required
Nothing	2 the reviewer Main (Sources)
Books, periodicals and scientific research that deal with one or more parts of the subject	a books and references that recommend with it (Journals Scientific , reports ,....)
All references pertaining to educational techniques and related to the subject matter of the subject	B - the reviewer Electronic, sites the internet ....

plan Development scheduled scholastic .70

M. Ahmed Adnan Ali Ghadeer

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

Diyala University / College of Basic Education	Enterprise educational .129
Calculators	Section Scientific / Center .1
guidance educational	Noun / Code scheduled .131
Is mandatory	shapes Attendees .132 available
the second	the classroom / the year .13
30 hours	number hours tuition .134 (total)
1/ 10/ 2021	Date Preparation this the .1 description

Goals scheduled   .136

1- An introduction to religious stories about educational guidance in Islamic thought from the Qur'an and Sunnah.

2- Identifying the most prominent educational counseling theories.

3- To make the student aware of the ethics of extension work.

4- Identifying the means and tools for collecting information in educational counseling.

5- The student's knowledge of the methods and methods of educational counseling.

5- Recognizing the guiding professional relationship.

6- Recognizing the importance of basic information for the counseling process.

7- To know the concept of psychological counseling.

8- Identifying some student problems that the counselor addresses in educational institutions.

outputs scheduled and modalities education and learning and   .71 evaluation

A- Objectives Cognitive
1-knows extension singles and collective And direct And change direct.
2-explains requester Relationship professional extention.
3-appointed faces similarities the difference between extension direct And change direct.
4-clarify requester Advantages and defects extension collective.
5-enumerate requester steps extension direct.
6-gives Examples About the problems Student that Face it leader in Enterprise pedagogical.

B - Objectives Marathi own By decision. 1-Compare between extension direct and extension others direct. 2- Analyze Reasons Some the problems pedagogical and confront it. 3-Apply writing fitness Search in any Theme About Topics extension educational. 4-Collect information About phenomena and problems pedagogical.
*modalities education and learning
supply Students With the basics and topics related by the ways and styles   -1 extention. Clarification And explain Subject tuition from Before my teaching   -2 material modalities and styles extention. Claim Students visit the library And see on me Sources ways and styles   -3 extention. to improve skills Students Visit websites e to get on me knowledge   -4 addition with guidance and guidance. Utilization modalities diction and the lecture and interrogation and   -5 discussion in Some themes that need to me method Discussion.
*modalities Evaluation
1-Tests daily for questions specific . 2- Lay grades assignments household And share class 3- Takaif Students Achievement Research And reports About the problems extention and knock processed . 4- Tests monthly with questions objectivity and frying pan .
C- Objectives Sentimental and value **1**-Realize Importance ways and styles extention in deal With the problems . 2- He gives Importance for problems that You must Solutions A quick . 3- Practice activities extention . 4- He resides activities extention
*modalities education and learning
use method offers introductory   -1 fee charts Captions .   -2 method storming mental .   -3
* Modalities Evaluation the exam analysis To measure capacity requester on me thinking and   -1 analysis conclusion . Request Procedure comparisons between ways and styles extention .   -2 writing Research About phenomena and problems .   -3 Exams daily with guidance Questions intellectual and deductive .   -4

Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile). skills Utilization the reviewer and jargon . -1 skills in plural data About Topic And analyze it . -2 skills Procedure comparisons About Topic . -3 skills to exploit what Available from potential . -4 skills Preparation concepts own About Topic . -5

Mother. Nawras Haider Mahmoud

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected

of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

University Diyala / College Education the basic	Enterprise educational .137
Section Scientific Calculators	Section Scientific / Center .13
charts	Noun / Code scheduled .139
Is mandatory	shapes Attendees .140 available
the classroom scholastic The second / the year the second	the classroom / the year .141
3 * 15 = 45	number hours tuition .142 (total)
1/ 10/ 2021	Date Preparation this the .1 description

Goals scheduled   .144
1- Introducing students to the basics of diagrams.
2- Defining the students of the importance of charts.
3- Defining the student how to build or create plans.
4- Introducing the student to the language used and the work environment in building the plans.
5- Introducing the student to the diagrams directives used in building diagrams in C++.
6- Introducing the student to instructions for drawing diagrams (point - line - circle - square - other geometric shapes)
outputs scheduled and modalities education and learning and evaluation .72

A- Objectives Cognitive
a1-Enable Students from get on me Knowledge and understanding for stages Development charts via History
a2-Enable Students from get on me Knowledge and understanding components charts.
a3- He managed Students from get on me Knowledge and understanding for instructions building charts.
a4- He managed students from get on me Knowledge and understanding environmental the work software own for charts.
a5- He managed Students from comprehension and knowledge in Programming charts different .
a6- He managed Students from get on me Knowledge and understanding for languages software own for charts.

B - Objectives Marathi own By decision.
B1 - Ability on me Programming charts .
B2 - ability on me Solution problems that face programmer in condition Design a program for charts.
B3 - enable requester from Identify on me language New Which language charts.

modalities education and learning

-supply Students With the basics and topics the extra related with outputs thinking and analysis .
-formation groups Discussion During Lectures to discuss themes charts that require thinking and analysis.
-the demand from Students Solution a group from questions thinking During Lectures like (How do - when - Why) for topics specific for charts.
- give Students Duties household require explanations Resume .
-teaching Students How building Methods thinking and analysis .

C- Objectives Sentimental and value
c1-Enable requester from thinking and analysis for topics related by frame intellectual to charts.
c2- He managed requester from thinking and analysis for topics related by programming charts.
c3- He managed requester from thinking and analysis for topics related worn out How Action charts.
c4- He managed requester from thinking and analysis for topics related Bagial charts and develop it .

modalities Evaluation

- Exams daily with questions household solve it self.
- grades sharing for questions competition Related by article tuition .

- grades specific for assignments household .	
Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile). Dr1-to use Students vocabulary tech modern . Dr2-make up groups No stature Relations together help on me performance Some Business positive . Dr3-Enable Students from Development subjective continuous when distance graduation. Dr4- He managed Students from passing Tests proces And professional organize from Before destinations local / regional / international.	

structure scheduled .73					
method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
Exam daily	diction and the lecture	basics charts	Learn basics charts	6	1-2
Questions interrogative	diction and interrogation	building and create charts and graphics	Learn building and create charts and graphics	9	3-4-5
duty my house	diction And interrogation	language C++ to draw	Learn on me the language software to construct charts	9	6-7-8
Questions interrogative	diction and interrogation	ingredients charts	knowledge ingredients charts	6	9-10
duty my house	diction and interrogation	The drawing	knowledge How The drawing	6	11-12
Questions interrogative	diction and interrogation	building System charts	knowledge building a program integrated	6	13-14
Exam	diction	Shapes	knowledge How	3	15

surprising	And interrogation	Engineering	fee Shapes Engineering		

structure substratum .74

principles in diagrams The basics of the language C Plus Plus for drawing	1 books assessed required
course vocabulary -	2 the reviewer Main (Sources)
- Scientific journals on the development of charts - Reports	a books and references that recommend with it (Journals Scientific , reports ,....)
Internet sites Youtube lessons	B - the reviewer Electronic, sites the internet ....

plan Development scheduled scholastic   .75

- Accommodation courses training in area charts and used it .
- Accommodation Seminars And conferences About uses charts.
- Lectures Scientific specialized in charts hosted Masters Two pots from universities Iraqi other .
- Assigned Students Achievement Research And studies About else developments in area charts And how Benefit from this Development in education and learning .

M. Shaima Taha Ahmed

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

University Diyala / College Education the basic	Enterprise educational .145
Section Scientific Calculators	Section Scientific / Center .14
Grammar data	Noun / Code scheduled .147
Is mandatory	shapes Attendees .148 available

the classroom scholastic the first / the year fourth	the classroom / the year .149
3 * 15 = 45	number hours tuition .150 (total)
1/ 10/ 2021	Date Preparation this the .1 description

Goals scheduled   .152
1- Introducing students to the basics of databases.
2- Defining the student of the importance of databases.
3- Defining the student how to build or create a database.
4- Introducing the student to the language used and the work environment in building databases.
5- Introducing students to the SQL directives used in building databases.
6- Introducing the student to the components of the database such as tables, functions, processes, indexes, queries, and relationships.
7- Introducing the student to writing instructions for adding - modifying - deleting - searching - querying data

outputs scheduled and modalities education and learning and evaluation .76
A- Objectives Cognitive a1-Enable Students from get on me Knowledge and understanding for stages Development Grammar data via History a2-Enable Students from get on me Knowledge and understanding components Grammar data . a3- He managed Students from get on me Knowledge and understanding for instructions building Grammar data . a4- He managed students from get on me Knowledge and understanding environmental the work software own rules data. a5- He managed Students from comprehension and knowledge in building systems . a6- He managed Students from get on me Knowledge and understanding for languages software own rules data.
B - Objectives Marathi own By decision. B1 - Ability on me building System Grammar data B2 - ability on me Solution problems that face programmer in condition Design the system B3 - enable requester from Identify on me language New Which language Grammar data . B4- Ability requester on me maintenance the system and operations add

and modification and delete on me the system .

modalities education and learning
-supply Students With the basics and topics the extra related with outputs thinking and analysis . -formation groups Discussion During Lectures to discuss themes Grammar data that require thinking and analysis. -the demand from Students Solution a group from questions thinking During Lectures like (How do - when - Why) for topics specific rules data . - give Students Duties household require explanations Resume . -teaching Students How building Methods thinking and analysis .

C- Objectives Sentimental and value c1-Enable requester from thinking and analysis for topics related by frame intellectual rules data . c2- He managed requester from thinking and analysis for topics related by programming Grammar data . c3- He managed requester from thinking and analysis for topics related worn out How Action Grammar data . c4- He managed requester from thinking and analysis for topics related Bagial Grammar data and develop it .

modalities Evaluation
- Exams daily with questions household solve it self. - grades sharing for questions competition Related by article tuition . - grades specific for females household .

Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile). Dr1-to use Students vocabulary tech modern . Dr2-make up groups No stature Relations together help on me performance Some Business positive . Dr3-Enable Students from Development subjective continuous when distance graduation. Dr4- He managed Students from passing Tests proces And professional organize from Before destinations local / regional / international.

structure scheduled .77					
method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
Exam daily	diction and the lecture	basics Grammar data	Learn basics Grammar data	6	1-2
Questions interrogative	diction and interrogation	building and create Grammar data	Learn building and create Grammar data	9	3-4-5
duty my house	diction And interrogation	language SQL	Learn on me the language software to construct Grammar data	9	6-7-8
Questions interrogative	diction and interrogation	ingredients Grammar data	knowledge ingredients Grammar data	6	9-10
duty my house	diction and interrogation	relations	knowledge relations between scales a base data	6	11-12
Questions interrogative	diction and interrogation	building System Grammar data	knowledge building System	6	13-14
Exam surprising	diction And interrogation	addition and modify and delete data for the system	knowledge How to treat the system	3	15

structure substratum .78	
Principles of databases Language basicsSQL	1 books assessed required
course vocabulary -	2 the reviewer Main (Sources)
Scientific journals on the development of databases - Reports	a books and references that recommend with it (Journals Scientific , reports ,....)

Internet sites Youtube lessons	B - the reviewer Electronic, sites the internet ….

plan Development scheduled scholastic   .79

- Accommodation courses training in area Grammar data and used it .
- Accommodation Seminars And conferences About uses Grammar data .
- Lectures Scientific specialized in Grammar data hosted Masters Two pots from universities Iraqi other .
- Assigned Students Achievement Research And studies About else developments in area Grammar data And how Benefit from this Development in education and learning .

Prof. Dr. Firas Muhammad Aswad

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description.**;**

University Diyala / College Education the basic	Enterprise educational .153
Section Scientific Calculators	Section Scientific / Center .15
Programming entity OOP	Noun / Code scheduled .155
Is mandatory	shapes Attendees .156 available
the classroom scholastic second / year the second	the classroom / the year .157
3 * 15 = 45	number hours tuition .158 (total)
1/ 10/ 2021	Date Preparation this the .1 description
Goals scheduled .160	
1- Defining the basics of OOP for the student.	
2- Defining the student about the importance of OOP.	
3- Defining the student how to build or create functions.	
4- Introducing the student to the language used and the work environment in building OOP.	
5- Introducing the student to the OOP directives used in building OOP in	

C++.
6- Introducing the student to how to deal with classes and inheritance between classes

outputs scheduled and modalities education and learning and evaluation 80.

A- Objectives Cognitive
a1-Enable Students from get on me Knowledge and understanding for stages Development OOP across History
a2-Enable Students from get on me Knowledge and understanding components OOP.
a3- He managed Students from get on me Knowledge and understanding for instructions building OOP.
a4- He managed students from get on me Knowledge and understanding environmental the work software own for charts.
a5- He managed Students from comprehension and knowledge in Programmingdifferent OOP .
a6- He managed Students from get on me Knowledge and understanding for languages software own OOP.

B - Objectives Marathi own By decision.
B1 - Ability on me ProgrammingOOP.
B2 - ability on me Solution problems that face programmer in condition Design a program OOP.
B3 - enable requester from Identify on me Concept new Which OOP.

 modalities education and learning

-supply Students With the basics and topics the extra related with outputs thinking and analysis .
-formation groups Discussion During Lectures to discuss themesOOP started require thinking and analysis.
-the demand from Students Solution a group from questions thinking During Lectures like (How do - when - Why) for topics specific for charts.
- give Students Duties household require explanations Resume .
-teaching Students How building Methods thinking and analysis .

C- Objectives Sentimental and value
c1-Enable requester from thinking and analysis for topics related by frame intellectual toOOP.
c2- He managed requester from thinking and analysis for topics related by programming OOP.
c3- He managed requester from thinking and analysis for topics related worn out How Action OOP.
c4- He managed requester from thinking and analysis for topics related Bagial OOP and its development .

modalities Evaluation	

- Exams daily with questions household solve it self.
- grades sharing for questions competition Related by article tuition .
- grades specific for assignments household .

Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile).
Dr1-to use Students vocabulary tech modern .
Dr2-make up groups No stature Relations together help on me performance Some Business positive .
Dr3-Enable Students from Development subjective continuous when distance graduation.
Dr4- He managed Students from passing Tests proces And professional organize from Before destinations local / regional / international.

structure scheduled .81

method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
Exam daily	diction and the lecture	basicsOOP	Learn basicsOOP	6	1-2
Questions interrogative	diction and interrogation	building and create functions	Learn building and create functions	9	3-4-5
duty my house	diction And interrogation	language C++ with the OOP	Identify on me the language software OOP	9	6-7-8
Questions interrogative	diction and interrogation	ingredientsOOP	knowledge ingredients OOP	6	9-10
duty my house	diction and	classes	Learn Utilization	6	11-12

	interrogation		classes		
Questions interrogative	diction and interrogation	heredity	Learn heredity classes	6	13-14
Exam surprising	diction And interrogation	The examples	writing The examples The inclusive for all vocabulary the OOP	3	15

structure substratum .82	
principles inOOP The basics of the language C Plus Plus	1 books assessed required
course vocabulary -	2 the reviewer Main (Sources)
Scientific journals about developmentOOP - Reports	a books and references that recommend with it (Journals Scientific , reports ,....)
Internet sites Youtube lessons	B - the reviewer Electronic, sites the internet ....

plan Development scheduled scholastic   .83
- Accommodation courses training in area OOP and its use . - Accommodation Seminars And conferences About uses OOP. - Lectures Scientific specialized in oop hosted Masters Two pots from universities Iraqi other . - Assigned Students Achievement Research And studies About else developments in area OOP and how Benefit from this Development in education and learning .

Prof. Dr. Firas Muhammad Aswad

Course description form

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program

College Education the basic	Enterprise educational .161
Calculators	Section Scientific / Center .16
Design Logical	Noun / Code scheduled .163
Is mandatory	shapes Attendees .164 available
the classroom scholastic first / year The first	the classroom / the year .165
3 * 15 = 45 hours	number hours tuition .166 (total)
1/ 10/ 2021	Date Preparation this the .1 description
Goals scheduled .168	

Introducing the student to computer digital systems and the codes used   -13
Introducing students to logical gates and their operation.   -14
3- Introduce the student to Karnaugh diagrams.
Introducing students to different electronic circuits.   -17
Introducing students to sequential logical electronic circuits.   -18
Introducing students to registers and counters.   -19
outputs scheduled and modalities education and learning and evaluation .84

A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding for systems digital and conversion from System for another . a2- Tamkeen Students from get on me Knowledge and understanding for gates Logical And how build it. a3- Empowerment Students from get on me Knowledge and understanding to knock simplistic used charts Karnoff a4- Empowerment Students from get on me Knowledge and understanding for circles Logical different . a5- Empowerment Students from get on me Knowledge and understanding for circles Logical sequential and its uses. a6- Empowerment Students from get on me Knowledge and

understanding for registration and counters and its uses.

B - Objectives Marathi own By decision.
B1 - Ability on me Utilization systems digital different and conversion between them.
B2 - ability on me building and installation portals Logical .
B3 - Enable requester from simplistic using ways different
B4- Ability requester on me building circles e different.

modalities education and learning

1. Supply Students With the basics and topics related By design Logical.
2. Clarification And explain Subject tuition from Before Mr. Subject
3. Claim Students visit the library examining on me Sources study the design Logical .

modalities Evaluation

1. Tests daily with questions specific
2. Lay grades for assignments household and posts class .
3. Tests monthly with questions objectivity and frying pan

C- Objectives Sentimental and value
c1- That explains And he analyzes evidence for design Logical .
c2- differentiate between systems digital And the codes different .
c3- He resides Some texts and information About Design Calculator Logical.
c4- Compare between circles e different .

modalities education and learning

1. Method Solution the problems.
2. storm mental .
3. method simulation

modalities Evaluation

1. The exam Editorial To measure capacity requester on me thinking and analysis conclusion.
2. writing Research About the design Logical for the computer.
3. exams daily with guidance Questions intellectual and deductive.

Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile).

Dr1- It is used Students vocabulary technological modern

Dr2- make up groups to set up Relations together help Some Business positivity

Dr3- He managed Students from Development subjective continuous when distance graduation .

Dr4- He managed Students from passing Tests proces And professional organize from Before destinations local / regional / international

structure scheduled .85					
method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
Exam daily	Discussion and interrogation	systems digital	Learn systems digital	3	1
Questions interrogative	Discussion and interrogation	Codes	Learn Codes used	3	2
duty my house	Discussion and interrogation	portals Logical	Learn portals Logical	3	3
Exam daily	Discussion and interrogation	Algebra Logical	knowledge Algebra Logical	3	4
Questions interrogative	Discussion and interrogation	charts Karnoff	knowledge Methods simplification portals Logical	3	5
Exam the month the first				3	6
Exam sudden	Discussion and interrogation	portals vehicle	knowledge portals vehicle and circles e	3	7
Exam daily	Discussion and	portals vehicle	knowledge circles Plural and	3	8

	interrogat ion		subtraction and comparator		
Questions interrogat ive	Discussio n and interrogat ion	circles Logical sequential	knowledge circles Logical sequential	3	9
Exam sudden	Discussio n and interrogat ion	HoppersFlip-Flop	knowledge Species Hoppers	3	10
Exam daily	Discussio n and interrogat ion	registry	knowledge registry And its types	3	11
Questions interrogat ive	Discussio n and interrogat ion	Counters	knowledge Counters	3	12
Exam daily	Discussio n and interrogat ion	State Diagram and FSA	knowledge State Diagram and FSA	3	13
Questions interrogat ive	Discussio n and interrogat ion	RAM and ROM	knowledge RAM and ROM	3	14
Exam the month The second				3	15

structure substratum .86	
Fundamental Logic -	readings required texts the basic - books scheduled - other -
Accommodation courses Training in -4 area uses the computer and build it . Accommodation courses training to use -5 the network arachnoid Accommodation Seminars and -6 conferences Scientific and cultural	requirements Especially
Benefit from periodicals and resources related to the course	a books and references that recommend with it (Journals Scientific , reports ,....)

Benefit from the international information network as well-known sources	B - the reviewer Electronic, sites the internet ....

plan Development scheduled scholastic   .87
1. Work on me Polarization Masters from universities other to throw Lectures Scientific specialized Techniques Calculator . 2. assignment Students Achievement Research study field what suffer language anti from problems social And psychology and put Solutions effective for those the problems and tackle phenomena that He suffers Of which They studied techniques Calculator

Mother. Intisar Yassin Khudair
Course description form

Course description

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the available learning opportunities. It must be linked to the program description.**;**

College Education the basic	Enterprise educational .169
Calculators	Section Scientific / Center .17
the theory reckoning	Noun / Code scheduled .171
Is mandatory	shapes Attendees .172 available
the classroom scholastic first / year the second	the classroom / the year .173
3 * 15 = 45 hours	number hours tuition .174 (total)
1/ 10/ 2021	Date Preparation this the .1 description

Goals scheduled   .176
Introducing students to the concept of computational theory   -15
Introducing students to logical gates and their operation.   -16
3- Introduce the student to Karnaugh diagrams.
Introducing students to different electronic circuits.   -20
Introducing students to sequential logical electronic circuits.   -21
Introducing students to registers and counters.   -22

outputs scheduled and modalities education and learning and evaluation .88
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding for systems digital and conversion from System for another . a2- Tamkeen Students from get on me Knowledge and understanding for gates Logical And how build it. a3- Empowerment Students from get on me Knowledge and understanding to knock simplistic used charts Karnoff a4- Empowerment Students from get on me Knowledge and understanding for circles Logical different . a5- Empowerment Students from get on me Knowledge and understanding for circles Logical sequential and its uses.

a6- Empowerment Students from get on me Knowledge and understanding for registration and counters and its uses.

B - Objectives Marathi own By decision.
B1 - Ability on me Utilization systems digital different and conversion between them.
B2 - ability on me building and installation portals Logical .
B3 - Enable requester from simplistic using ways different
B4- Ability requester on me building circles e different.

modalities education and learning

1. Supply Students With the basics and topics related By design Logical.
2. Clarification And explain Subject tuition from Before Mr. Subject
3. Claim Students visit the library examining on me Sources study the design Logical .

modalities Evaluation

1. Tests daily with questions specific
2. Lay grades for assignments household and posts class .
3. Tests monthly with questions objectivity and frying pan

C- Objectives Sentimental and value
c1- That explains And he analyzes evidence for design Logical .
c2- differentiate between systems digital And the codes different .
c3- He resides Some texts and information About Design Calculator Logical.
c4- Compare between circles e different .

modalities education and learning

1. Method Solution the problems.
2. storm mental .
3. method simulation

modalities Evaluation

1. The exam Editorial To measure capacity requester on me thinking and analysis conclusion.
2. writing Research About the design Logical for the computer.
3. exams daily with guidance Questions intellectual and deductive.

Dr - skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolution profile).
Dr1- It is used Students vocabulary technological modern
Dr2- make up groups to set up Relations together help Some Business positivity
Dr3- He managed Students from Development subjective continuous when distance graduation .
Dr4- He managed Students from passing Tests proces And professional organize from Before destinations local / regional / international

structure scheduled .89					
method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
Exam daily	Discussion and interrogation	systems digital	Learn systems digital	3	1
Questions interrogative	Discussion and interrogation	Codes	Learn Codes used	3	2
duty my house	Discussion and interrogation	portals Logical	Learn portals Logical	3	3
Exam daily	Discussion and interrogation	Algebra Logical	knowledge Algebra Logical	3	4
Questions interrogative	Discussion and interrogation	charts Karnoff	knowledge Methods simplification portals Logical	3	5
Exam the month the first				3	6
Exam sudden	Discussion and interrogation	portals vehicle	knowledge portals vehicle and circles e	3	7
Exam daily	Discussion and	portals vehicle	knowledge circles Plural and	3	8

	interrogation		subtraction and comparator		
Questions interrogative	Discussion and interrogation	circles Logical sequential	knowledge circles Logical sequential	3	9
Exam sudden	Discussion and interrogation	HoppersFlip-Flop	knowledge Species Hoppers	3	10
Exam daily	Discussion and interrogation	registry	knowledge registry And its types	3	11
Questions interrogative	Discussion and interrogation	Counters	knowledge Counters	3	12
Exam daily	Discussion and interrogation	State Diagram and FSA	knowledge State Diagram and FSA	3	13
Questions interrogative	Discussion and interrogation	RAM and ROM	knowledge RAM and ROM	3	14
Exam the month The second				3	15

structure substratum .90

Fundamental Logic -	readings required
	texts the basic -
	books scheduled -
	other -
Accommodation courses Training in 7- area uses the computer and build it . Accommodation courses training to use 8- the network arachnoid Accommodation Seminars and 9- conferences Scientific and cultural	requirements Especially
Benefit from periodicals and resources related to the course	a books and references that recommend with it (Journals Scientific , reports ,....)

Benefit from the international information network as well-known sources	B - the reviewer Electronic, sites the internet ….

plan Development scheduled scholastic   .91
1. Work on me Polarization Masters from universities other to throw Lectures Scientific specialized Techniques Calculator .   2. assignment Students Achievement Research study field what suffer language anti from problems social And psychology and put Solutions effective for those the problems and tackle phenomena that He suffers Of which They studied techniques Calculator

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the available learning opportunities. It must be linked to the program description.**;**

College Education the basic	Enterprise educational .177
Calculators	Section Scientific / Center .17
Organized employment	Noun / Code scheduled .179
Is mandatory	shapes Attendees .180 available
the classroom scholastic first / year fourth	the classroom / the year .181
3 * 15 = 45 hours	number hours tuition .182 (total)
1/ 10/ 2021	Date Preparation this the .1 description

Goals scheduled   .184
Introduce students to the concept of operating systems.   -17
Introducing students to multiple processing systems.   -18
3- Introduce students to distributed systems.
Introducing students to the structure of operating systems   -23
Introduce the student to the components of the operating system.   -24
Introducing the student to the operating system services.   -25

outputs scheduled and modalities education and learning and evaluation .92
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding systems Employment . a2- Tamkeen Students from get on me Knowledge and understanding systems processing multi. a3- Empowerment Students from get on me Knowledge and understanding to structural System Employment. a4- Empowerment Students from get on me Knowledge and understanding components System Employment . a5- Empowerment Students from get on me Knowledge and understanding for services System Employment .

a6- Empowerment Students from get on me Knowledge and understanding for how Administration memory .
B - Objectives Marathi own By decision. B1 - Ability on me deal With Organized Employment B2 - ability on me . B3 - Enable requester from simplistic using ways different B4- Ability requester on me building circles e different.
modalities education and learning
1. Supply Students With the basics and topics related system Employment 2. Clarification And explain Subject tuition from Before Mr. Subject 3. Claim Students visit the library examining on me Sources study Organized Employment .
modalities Evaluation
1. Tests daily with questions specific 2. Lay grades for assignments household and posts class . 3. Tests monthly with questions objectivity and frying pan
C- Objectives Sentimental and value c1- That explains And he analyzes evidence for design Logical . c2- differentiate between systems digital And the codes different . c3- He resides Some texts and information About Design Calculator Logical. c4- Compare between circles e different .
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structure scheduled .93					
method Evaluation	method education	Noun Unit / or Topic	outputs learning required	hours	the week
Exam daily	Discussion and interrogation	Organized Employment	Learn Concept Organized Employment	3	1
Questions interrogative	Discussion and interrogation	system processing multi	Learn Organized processing multi	3	2
duty my house	Discussion and interrogation	Species Organized Employment	Learn Species Organized Employment	3	3
Exam daily	Discussion and interrogation	Structural System Calculator	knowledge Structural System Calculator	3	4
Questions interrogative	Discussion and interrogation	Structural System Employment	knowledge Structural System Employment	3	5
Exam the month the first				3	6
Exam sudden	Discussion and interrogation	ingredients Organized Employment	knowledge ingredients Organized Employment	3	7
Exam daily	Discussion and	services Organized	knowledge services	3	8

	interrogation	Employment	Organized Employment		
Questions interrogative	Discussion and interrogation	Concept processing	knowledge Concept processing	3	9
Exam sudden	Discussion and interrogation	Implementation of instruction	knowledge instruction during processing	3	10
Exam daily	Discussion and interrogation	scheduler Alone processing central	knowledge scheduler Alone processing central	3	11
Questions interrogative	Discussion and interrogation	Administration memory	knowledge Administration memory	3	12
Exam daily	Discussion and interrogation	Administration storage	knowledge Administration storage	3	13
Questions interrogative	Discussion and interrogation	protection And the security	knowledge protection And the security	3	14
Exam the month The second				3	15

structure substratum .94	
There is no decision -	readings required texts the basic - books scheduled - other -
Accommodation courses Training -10 in area uses System Employment And deal With Calculator . Accommodation courses training -11 to use the network arachnoid Accommodation Seminars and -12 conferences Scientific and cultural	requirements Especially

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plan Development scheduled scholastic   .95
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