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 year2020-2021
 the University:Diyala
 college of Basic education
 scientific department: Computer Science
 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. Dr Firas Muhammad Aswd,
the name of the scientific assistant:a.M.Dr.Haider Abdel-Baqi
History:1/10/2021History: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 cha program and the learning outcomes expected of the student to achieve, demonstrating whether he h the available opportunities. It is accompanied by a description of each course within the program	
Enterprise educational	College Education the basic /University
Section Scientific / Center	Calculators
Noun the program Academic or vocational	education essential Calculators
Noun Certificate final	Bachelor's education essential – Calcu
the system scholastic : annual / decisions /other	quarterly courses
a program Accreditation approved	Ministry education Higher and search S
effects external other	Ministry Education and ministry planni
Date Preparation the description	1/10/2015
Date Preparation the description	1/10/2021

Goals the program Academic: that is being requester conversant informative coming and that be he have s[...] problems life
Preparation teachers Undergraduates have skills educational necessary to teach material Calculators
development directione Scientific I have Students With what They can from Development their abilities s[...] studies Supreme
gain Students skills necessary to deal With any problem Scientific And solve it in a manner scientific Sal[...]
gain Students How innovation means educational and develop it to be used in teaching material Calculato[...]
Development and update curricula Scientific in area Calculators
Cooperat With Sections the college all in maintenance and development devices the computer As patrol a[...]
to encourage Attendees And share in conferences and seminars Scientific from okay Identify on me latest[...] teaching and development search Scientific in Material Jurisdiction
11.   outputs the program required and modalities education and learning and evaluation
Knowledge and understanding a1- Computers (programming structured, the design logical, structures inte[...] calculator, Organized ready (office), Differentiation, integration, Programming C++, structures data, proc[...] arithmetic, Administration systems (maintenance), programming entity, blueprints, analysis numerical, tr[...] computer, architectural calculator, analysis systems, Research operations, software prolog, engineering s[...] treat sham, Intelligence artificial, Grammar data, Organized employment, Programming Visible, And pro[...] And Indeed (98) unit And in the rate of 57,988% a2- Education and taught self (Origins education, educa[...] general, Flag same the growth, the health Mental, Flag self educational, extension educational, Statistics [...] search educational, measurement and calendar , modalities teaching specialization, techniques pedagogic[...] books scholastic, Administration and supervision educational, application practical, And Indeed (50) Unit[...] 29,586% a3- Culture General (language Arabic, Education islamic, rights man, the language english , de[...] environmental and sanitary), And Indeed (21) Unit And by 12,426%, note that Total units total (169) Uni[...]
B – skills own subject. B 1 – Education material Calculators to stage education Basis. B 2 – building strat[...] stage education Basis. B 3 – build Tests material Calculators to calendar collection students education Ba[...] Capacity subjectivity in Development their abilities teach material Calculators to teach Stage education B[...]
modalities education and learning
1-   (method lecture, Discussion, interrogation, exploration, modalities Especially in education c[...] Regards Education the theory.   2-   (road learning cooperative And groups small) with Regards th[...]
modalities Evaluation
1-   40% exams quarterly, be taken I see consideration attendance And participation. 60% tests End the classroom.
C- skills thinking : development skills thinking own B: c1- Thinking critic c2-Thinking creative c3-Skill[...] 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 ext... 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 evolu... Development skills Students to teach students Stage education Basis materials mathematics. Dr2- Develo... Students in development Utilization techniques pedagogical I have students Stage education Basis. Dr3- ... 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 editorialObservation Direct

structure the program

stage tuition	Code scheduled or course	Noun scheduled or course	ho... the...
The first	Univ1101	human rights	2
The first	Univ1102	Islamic Education I	2
The first	Univ1103	Arabic I	2
The first	Univ1104	Islamic Education II	2
The first	Univ1105	English I	2
The first	Call 1201	General Psychology	3
The first	Call 1202	The basis of education	2
The first	Call 1203	Developmental Psychology	3
The first	Call 1204	principals of Education	3
The first	Comp1301	Structured programming I	3
The first	Comp1302	Computer logic design computer	3

The first	Comp 1303	Differentiation	2
The first	Comp 1304	Discrete structures I	3
The first	Comp 1305	Structured programming II	3
The first	Comp1306	Computer techniques	3
The first	Comp 1307	Integration	3
The first	Comp 1308	Discrete structures II	2
The first	Comp 1309	principals of Office	2
the second	Univ2107	Arabic II	2
the second	Univ2109	Health and Environment Education	2
the second	Univ2110	English II	2
the second	Univ2111	Democracy	2
the second	Call 2205	Educational Psychology	3
the second	Call 2206	mental health	2
the second	Call 2207	Educational guidance	2
the second	Call 2208	Educational Statistics	3
the second	Comp2310	Computational theory	3
the second	Comp2311	Introduction to microprocessors and computers	3
the second	Comp 2312	Programming in C++	3
the second	Comp 2313	Data structures I	3
the second	Comp2314	Systems Management (Maintenance)	2
the second	Comp 2315	Numerical Analysis	4
the second	Comp 2316	Computer graphics	3
the second	Comp2317	Object Oriented Programming OOP	3
the second	Comp 2318	Data structures II	3
Third	Univ3112	Arabic III	2
Third	Call 3209	Research Methods	3

Third	Call 3210	TMS	2
Third	Call 3211	Measurement and evaluation	2
Third	Call 3212	General methods of teaching	2
Third	Call 3213	Viewing	–
Third	Comp 3320	Analysis systems	3
Third	Comp3321	Compilers	3
Third	Comp3322	Computer ArchitectureI	3
Third	Comp 3323	Communications and network security I	3
Third	Comp 3324	Operations Research	3
Third	Comp 3325	Prolog Lang	3
Third	Comp 3326	Computer Architecture II	3
Third	Comp 3327	Communications and network security II	3
Third	Comp 3328	data security	3
Third	Comp 3329	Software Engineering	2
Third	Comp 3330	Methods of Computer Teaching	3
fourth	Univ4115	ArabicV	2
fourth	Call 4214	Curricula and textbooks	2
fourth	Call 4215	Educational administration and direction	2
fourth	Call 4216	Application	12
fourth	Comp 4331	databases	3
fourth	Comp 4332	Digital Image Processing	3
fourth	Comp 4333	Operating systems	3
fourth	Comp 4334	artificial intelligence	3
fourth	Comp 4335	visual programming	3
fourth	Comp 4336	Research Project Graduation	3

planning to evolve profile

Review the previous steps and their outputsSeeing updates from books, periodicals and the information specializationPeriodic (annual) updating of approved teaching plans.

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

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

most important Sources the information About the program

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

Scheme skills curriculum

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

				outputs learning required fro				
the year / the level	**Code scheduled**	**Noun scheduled**	**Basic Mother my choice**	**Objectives Cognitiv**				
				a1	**a2**	**a3**	**a4**	
The first The first	Univ1101	human rights	Basic	√	√	√	√	
	Univ1102	Islamic Education I	Basic	√	√	√		
The first The first	Univ1103	Arabic I	Basic	√	√	√	√	
	Univ1104	Islamic Education II	Basic	√	√	√	√	
The first	Univ1105	English I	Basic	√	√	√	√	
The first The first	Call 1201	General Psychology	Basic	√	√	√	√	
	Call 1202	The basis of education	Basic	√	√	√	√	
The first	Call 1203	Developmental Psychology	Basic	√	√	√	√	
The first	Call 1204	principals of Education	Basic	√	√	√	√	
The	Comp1301	Structured programming I	Basic	√	√	√	√	

first							
The first	Comp1302	Computer logic design computer	Basic	√	√	√	√
The first	Comp 1303	Differentiation	Basic	√	√	√	√
The first	Comp 1304	Discrete structures I	Basic	√	√	√	√
The first	Comp 1305	Structured programming II	Basic	√	√	√	√
The first	Comp1306	Computer techniques	Basic	√	√	√	√
The first	Comp 1307	Integration	Basic	√	√	√	√
The first	Comp 1308	Discrete structures II	Basic	√	√	√	√
The first	Comp 1309	principals of Office	Basic	√	√	√	√
the second	Univ2107	Arabic II	Basic	√	√	√	√
the second	Univ2109	Health and Environment Education	Basic	√	√	√	√
the second	Univ2110	English II	Basic	√	√	√	√
the second	Univ2111	Democracy	Basic	√	√	√	√
the second	Call 2205	Educational Psychology	Basic	√	√	√	√
the second	Call 2206	mental health	Basic	√	√	√	√
the second	Call 2207	Educational guidance	Basic	√	√	√	√
the second	Call 2208	Educational Statistics	Basic	√	√	√	√

the second	Comp2310	Computational theory	Basic	√	√	√	√
the second	Comp2311	Introduction to microprocessors and computers	Basic	√	√	√	√
the second	Comp 2312	Programming in C++	Basic	√	√	√	√
the second	Comp 2313	Data structures I	Basic	√	√	√	√
the second	Comp2314	Systems Management (Maintenance)	Basic	√	√	√	√
the second	Comp 2315	Numerical Analysis	Basic	√	√	√	√
the second	Comp 2316	Computer graphics	Basic	√	√	√	√
the second	Comp2317	Object Oriented Programming OOP	Basic	√	√	√	√
the second	Comp 2318	Data structures II	Basic	√	√	√	√
Third	Univ3112	Arabic III	Basic	√	√	√	√
Third	Call 3209	Research Methods	Basic	√	√	√	√
Third	Call 3210	TMS	Basic	√	√	√	√
Third	Call 3211	Measurement and evaluation	Basic	√	√	√	√
Third	Call 3212	General methods of teaching	Basic	√	√	√	√
Third	Call 3213	Viewing	Basic	√	√	√	√
Third	Comp 3320	Analysis systems	Basic	√	√	√	√
Third	Comp3321	compilers	Basic	√	√	√	√
Third	Comp3322	Computer ArchitectureI	Basic	√	√	√	√
Third	Comp 3323	Communications and network security I	Basic	√	√	√	√
Third	Comp 3324	Operations Research	Basic	√	√	√	√

Third	Comp 3325	Prolog Lang	Basic	√	√	√	√
Third	Comp 3326	Computer Architecture II	Basic	√	√	√	√
Third	Comp 3327	Communications and network security II	Basic	√	√	√	√
Third	Comp 3328	data security	Basic	√	√	√	√
Third	Comp 3329	Software Engineering	Basic	√	√	√	√
Third	Comp 3330	Methods of Computer Teaching	Basic	√	√	√	√
fourth	Univ4115	ArabicV	Basic	√	√	√	√
fourth	Call 4214	Curricula and textbooks	Basic	√	√	√	√
fourth	Call 4215	Educational administration and direction	Basic	√	√	√	√
fourth	Call 4216	Application	Basic	√	√	√	√
fourth	Comp 4331	databases	Basic	√	√	√	√
fourth	Comp 4332	Digital Image Processing	Basic	√	√	√	√
fourth	Comp 4333	Operating systems	Basic	√	√	√	√
fourth	Comp 4334	artificial intelligence	Basic	√	√	√	√
fourth	Comp 4335	visual programming	Basic	√	√	√	√
fourth	Comp 4336	Research Project Graduation	Basic	√	√	√	√

Course description form
Course description

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

Enterprise educational	College Education the basic
Section Scientific / Center	Calculators
Noun / Code scheduled	Structured programming I/ Comp 1301
shapes Attendees available	Is mandatory

the classroom / the year	the classroom scholastic the first / the year The fir
number hours tuition (total)	$3 \times 15 = 45$
Date Preparation this the description	1/ 10/ 2021
Goals Decision: that is being requester knowledgeable with concepts 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	
A- Objectives Cognitive 1- That Known requesterHow to write algorithms and draw flowcharts 2- That K Paradigm Programming Principles (modular programming) 3- That Known The top-down design approac Known requester Principles of structured programming 5- That Known requesterProgram Structure in Pa 6- That Known requester How to write expression in Pascal language 7- That Known requester How Util input, and output statementsI/O) 8- That Known requester How to write procedures and functionsProcedu 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-Wr drawing flowcharts 2- Rules language Pascal (pascal) 3-Write the arithmetic expression in the Pascal lang input, and output statementsI/O) 5-Writing procedures and functionsProcedures & Functions) 6- use Con to make a decision	
modalities education and learning	
in Start the classroom Being inform Students vocabulary scheduled scholastic and sources the informatio Relationship , periodicals , Messages undergraduate) and distributed vocabulary on me weeks the classroo Techniques Calendar that will run followed , my agencies: 1. Initialize Lectures According to sequence V scholastic About road help with sources the information precedent The remembrance. 2. Inform Students coming with intent config. 3. Demand from Students Submit Leaves Belonging to subject or more from t studying.	

modalities Evaluation
1. Procedure two exams two quarters the first distance expiration the week Fifth from the classroom scho distance the week The tenth from the classroom scholastic and considerate in All Exam levels mental (R exploration) where Degree Calendar to her 40% of achievement total on me that Takes I see consideration and volume Share it daily. 2. Exam End the classroom scholastic And for him 60% of achievement Accor And take into account At put questions inclusivity content scheduled scholastic and levels mental (Reme exploration).
C- Objectives Sentimental And value :that is being requester able on me 1- Definition algorithm And cha Writing expression Arithmetic 3- Writing camel personalization And input And output 4- Get acquainted 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 pr skills earned in education Knowledge sports I have Students Stage education Basis. 2- Choose Examples education Basis And to each Of which skills that eat it scheduled scholastic. 3- Evaluation Bezel acquisit Basis for skills application. 4- Building Tests Especially domains thinking Logical for pupils Stage educa

structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	method edu
1	3	Concept of algorithm and flowchart	Concept of algorithm and flowchart	Discussion interrogatio
2	3	The concept of paradigm programming	The concept of paradigm programming	Discussion interrogatio
3	3	Design concept from top to bottom	Design concept from top to bottom	Discussion interrogatio
4	3	Principles of programming in Pascal language	Principles of programming in Pascal language	Discussion interrogatio
5	3	Pascal program structure	Pascal program structure	Discussion interrogatio
6	3	Test Monthly	Test Monthly	–
7	3	Use the arithmetic expression	Use the arithmetic expression	Discussion interrogatio
8	3	Use assignment, input and output statements	Use assignment, input and output statements	Discussion interrogatio
9	3	Learn about the proceduresProcedures	Learn about the proceduresProcedures	Discussion interrogatio

10	3	Learn about the proceduresProceduresAnd written	Learn about the proceduresProceduresAnd written	Discussion interrogatic
11	3	Test Monthly	Test Monthly	–
12	3	Identify on me functions Functions and written	Identify on me functions Functions and written	Discussion interrogatic
13	3	Identify on me camel take the decision	Identify on me camel take the decision	Discussion interrogatic
14	3	Identify on me camel the control	Identify on me camel the control	Discussion interrogatic
15	3	audit scheduled	audit scheduled	Discussion interrogatic

structure substratum	
1- The required textbooks	Nothing
2 main references (sources)	Fundamentals of programming in Pascal langua Nidal Khudair Al-Abadi
Recommended books and references (scientific journals, reports, ….)	Benefit from periodicals and resources related t
B- Electronic references, websites…	Benefit from the international information netw sources

plan Development scheduled scholastic
1. Done Development scheduled According to requirements Which Appear in Development curricula in Basis. 2. Done Development scheduled According to requirements Which Appear in Development curric 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 outcomes expected of the student to achieve, demonstrating whether he has made the most of the availabl It must be linked to the program description.**;**

Enterprise educational	College Education the basic

Section Scientific / Center	Calculators
Noun / Code scheduled	Digital Image Processing /Comp 4332
shapes Attendees available	Is mandatory
the classroom / the year	the classroom scholastic the first / the year fourt…
number hours tuition (total)	$3\times15 = 45$
Date Preparation this the description	1/ 10/ 2021
Goals Decision: that is being requester knowledgeable with concepts 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	
A- Objectives Cognitive 1- That Known requesterimage concept digital 2- That Known requesterThe con… That Known requester Principles of quantization concept 4- That Known Types of image transformations… requesterThe concept of image filtering and types of filters 6- That Known requester How to change the i… 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-Wr… opening a digital image 2- Writing a program to apply Concept quantification 3-Write a program to show… transformations 4- Writing a program About Implementation Some filters on me Picture 5-Write a progra… scaling methods	
modalities education and learning	
in Start the classroom Being inform Students vocabulary scheduled scholastic and sources the informatio… Relationship , periodicals , Messages undergraduate) and distributed vocabulary on me weeks the classro… Techniques Calendar that will run followed , my agencies: 1. Initialize Lectures According to sequence W…	

scholastic About road help with sources the information precedent The remembrance. 2. Inform Students
coming with intent config. 3. Demand from Students Submit Leaves Belonging to subject or more from t
studying.

modalities Evaluation

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

C- Objectives Sentimental And value :that is being requester able on me 1- Definition Picture digital 2- D
sampling And quantification 3- Apply Species Transfers Picture 4- Male Species filters 5- Apply Species
measurement Picture 6- Comparison between modalities pressure Picture

Dr – skills the public And Qual movable (skills other related susceptibility recruitment and evolution pro
skills earned in education Knowledge sports I have Students Stage education Basis. 2- Choose Examples
education Basis And to each Of which skills that eat it scheduled scholastic. 3- Evaluation Bezel acquisiti
Basis for skills application. 4- Building Tests Especially domains thinking Logical for pupils Stage educa

structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	method e
1	3	concept of digital image	concept of digital image	Discussio interroga
2	3	The concept of quantification and sampling	The concept of quantification and sampling	Discussio interroga
3	3	The concept of image transformations and their types	The concept of image transformations and their types	Discussio interroga
4	3	Concept of image enhancement process using filterat	Concept of image enhancement process using filterat	Discussio interroga
5	3	Concept of image optimization process using diagram	Concept of image optimization process using diagram	Discussio interroga
6	3	Test Monthly	Test Monthly	–
7	3	Concept of image enhancement process using levels adjustment	Concept of image enhancement process using levels adjustment	Discussio interroga
8	3	The concept of resizing an image	The concept of resizing an image	Discussio interroga

9	3	The concept of digital image compression	The concept of digital image compression	Discussio... interroga...
10	3	Concept of types of digital image compression methods	Concept of types of digital image compression methods	Discussio... interroga...
11	3	Test Monthly	Test Monthly	–
12	3	The concept of digital image compression methods without Loss And its algorithms	The concept of digital image compression methods without Loss And its algorithms	Discussio... interroga...
13	3	The concept of digital image compression methods With loss And its algorithms	The concept of digital image compression methods With loss And its algorithms	Discussio... interroga...
14	3	audit scheduled	audit scheduled	Discussio... interroga...
15	3	audit scheduled	audit scheduled	Discussio... interroga...

structure substratum

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

plan Development scheduled scholastic

 1. Done Development scheduled According to requirements Which Appear in Development curricula in ...
Basis. 2. Done Development scheduled According to requirements Which Appear in Development curri...
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...

outcomes expected of the student to achieve, demonstrating whether he has made the most of the availabl
It must be linked to the program description.**;**

Enterprise educational	College Education the basic
Section Scientific / Center	Calculators
Noun / Code scheduled	analysis Organized
shapes Attendees available	Is mandatory
the classroom / the year	the classroom scholastic the first / the year Third
number hours tuition (total)	30 hours
Date Preparation this the description	1/ 10/ 2021

Goals scheduled

Understand the basic concepts of analyzing and developing information systems in the organization

Understand the main stages in the systems development life cycle

3- Identify and collect information system requirements

Infer system specifications through system analysis

Provide clear system analysis and design using diagrams

outputs scheduled and modalities education and learning and evaluation

A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding from Duri
material systems the information a2- Tamkeen Students from get on me Knowledge and understanding fc
systems the information in various ways its forms a3- Empowerment Students from get on me Knowledg
About material analysis Organized a4- Empowerment Students from get on me Knowledge and understar
that Belonging to systems the information a5- Empowerment Students from get on me Knowledge and ur
and interpretation issues material analysis Organized a6- Empowerment Students from get on me Knowle
Bahm Sources and references study analysis Organized

B – Objectives Marathi own By decision. B1 – compare between Species analysis Organized different B2
analysis Organized And explains Her reasons . B3 – Apply writing paper or Search in Theme from Topic
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 S
Before Mr. Subject 3. Claim Students visit the library examining on me Sources study analysis Organize

modalities Evaluation

1. Tests daily with questions specific 2. Lay grades for assignments household and posts class . 3. Tests r

objectivity and frying pan
C- Objectives Sentimental and value c1- That explains And he analyzes evidence for analysis Organized differentiate between nature analysis Organized of all kinds . c3- He resides Some texts and information 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 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 evolu used Sources and references contemporary. Dr2- formation a group from Students to study analysis Organ information Dr3- Statement from institutions Country Same Relationship Analyze Organized to increase and distribute it. Dr4- Statement from centers documents and libraries that Contains on me manuscripts a Organized

structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	metho educa
the first	3	Enable Students from Understanding the system and analyze it	analysis and design System	lectur castin
The second	3	Enable Students from knowledge analyzer systems	analyzer systems	lectur castin
Third	3	Enable Students from save Forms About Cycle Life Development systems	Cycle Life Development systems	lectur castin
the fourth	3	Enable Students from knowledge requirements System the information	requirements System the information	lectur castin
Fifth	3	the definition With all Specifications the system in detail	Specifications the system from During analysis the system	lectur castin
VI	3	Enable Students from knowledge patterns Design System the information	Design System the information It includes interface the user and lists and systems sub	lectur castin
VII			the exam monthly	

structure substratum	
1 books assessed required	– analysis and design Organized the informatio[...] systems
2 the reviewer Main (Sources)	analysis Organized , Dr Saad Ghalib Yassen. a[...] systems , Slave The sustenance safety
a books and references that recommend with it (Journals Scientific , reports ,….)	Claim Students in numbers reports monthly Ab[...] study it
B – the reviewer Electronic, sites the internet ….	– Location Archives – Location allure – Locati[...]

plan Development scheduled scholastic
1. Work on me Polarization Masters from universities other to throw Lectures Scientific specialized Ana[...] assignment Students Achievement Research study field what suffer language anti from problems social A[...] Solutions effective for those the problems and tackle phenomena that He suffers Of which Darso analysis[...]

M. Ban Jawad Kazem

Course description form
Course description

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

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

Goals scheduled
Understand the basic concepts of computer programming
Understand the basic stages in data structures and algorithms
3- Identify and achieve the life cycle of software operations
Infer system specifications from software requirements

Provide clear analysis and design of the system using toolsCASE in software engineering
outputs scheduled and modalities education and learning and evaluation
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding from Duri material engineering software a2- Tamkeen Students from get on me Knowledge and understanding for e engineering software in various ways its forms a3- Empowerment Students from get on me Knowledge ar material engineering software a4- Empowerment Students from get on me Knowledge and understanding Belonging to engineering software a5- Empowerment Students from get on me Knowledge and understan interpretation issues material engineering software a6- Empowerment Students from get on me Knowledge Bahm Sources and references study engineering software
B – Objectives Marathi own By decision. B1 – compare between Species engineering software different l engineering software And explains Her reasons . B3 – Apply writing paper or Search in Theme from Top 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 S Before Mr. Subject 3. Claim Students visit the library examining on me Sources study engineering softwa
modalities Evaluation
1. Tests daily with questions specific 2. Lay grades for assignments household and posts class . 3. Tests n objectivity and frying pan
C- Objectives Sentimental and value c1- That explains And he analyzes engineering software of all kinds between nature engineering software of all kinds . c3- He resides Some texts and information About engi 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 I 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 evolu used Sources and references contemporary. Dr2- formation a group from Students to study engineering sc from institutions Country Same Relationship engineering software to increase acquaintances Students and Statement from centers documents and libraries that Contains on me manuscripts and documents on me e
structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	metho educat
the first	3	Enable Students from Understanding	Administration proces	lectur

		engineering software	engineering software	castin
The second	3	Enable Students from knowledge safety Organized Calculators	safety Organized Calculators	lectur castin
Third	3	Enable Students from save Forms About Cycle Life Development engineering software	Cycle Life Development engineering software	lectur castin
the fourth	3	Enable Students from knowledge setting Quality software	setting Quality software	lectur castin
Fifth	3	the definition With all Specifications the system in detail	Specifications the system from During Development rapid software	lectur castin
VI	3	Enable Students from knowledge Administration project software	Administration project software	lectur castin
VII			the exam monthly	

structure substratum

1 books assessed required	– engineering software – Phase engineerin
2 the reviewer Main (Sources)	engineering software , Basim Abdullah. C software , Bassam capsi.
a books and references that recommend with it (Journals Scientific , reports ,….)	Claim Students in numbers reports monthl They study it
B – the reviewer Electronic, sites the internet ….	– Location Archives – Location allure – L Arabic

plan Development scheduled scholastic

1. Work on me Polarization Masters from universities other to throw Lectures Scientific specialized engi assignment Students Achievement Research study field what suffer language anti from problems social A Solutions effective for those the problems and tackle phenomena that He suffers Of which Darso analysis

<div align="center">M. Ban Jawad Kazem</div>

Course description form
Course description

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

Enterprise educational	College Education the basic

Section Scientific / Center	Calculators
Noun / Code scheduled	structures data
shapes Attendees available	Is mandatory
the classroom / the year	the classroom scholastic the first / the year the seco
number hours tuition (total)	30 hours
Date Preparation this the description	1/ 10/ 2021

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

outputs scheduled and modalities education and learning and evaluation
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding from Duri material structures data a2- Tamkeen Students from get on me Knowledge and understanding for exampl in various ways its forms a3- Empowerment Students from get on me Knowledge and understanding Abc data a4- Empowerment Students from get on me Knowledge and understanding No matter issues that Bel data a5- Empowerment Students from get on me Knowledge and understanding to analyze and interpretat structures data a6- Empowerment Students from get on me Knowledge and understanding Bahm Sources structures data
B – Objectives Marathi own By decision. B1 – compare between Species structures data different B2 – A structures data And explains Her reasons . B3 – Apply writing paper or Search in Theme from Topics str 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 S 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 n objectivity and frying pan
C- Objectives Sentimental and value c1- That explains And he analyzes evidence for structures data of al between nature structures data of all kinds . c3- He resides Some texts and information About structures c

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 F
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 evolu
used Sources and references contemporary. Dr2- formation a group from Students to study and structures
from institutions Country Same Relationship with structures data to increase acquaintances Students and
Statement from centers documents and libraries that Contains on me manuscripts and documents structur

structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	meth educa
the first	3	Enable Students from Understanding structures graphic and analyze it	analysis and design structures graphic	lectu casti
The second	3	Enable Students from knowledge structures data	analyzer systems	lectu casti
Third	3	Enable Students from save Forms About acting data	Forms About acting data	lectu casti
the fourth	3	Enable Students from knowledge requirements structures evidence	requirements structures data	lectu casti
Fifth	3	the definition With all Specifications the structure My statement in detail	Specifications the structure My statement from During analysis the structure My statement	lectu casti
VI	3	Enable Students from knowledge patterns Design structure My statement the information	Design structure My statement the information It includes interface the user and lists and systems sub	lectu casti
VII			the exam monthly	

structure substratum

1 books assessed required	– structures data – datastructure
2 the reviewer Main (Sources)	structures data , Dr Essam yolk. Data smith

a books and references that recommend with it (Journals Scientific , reports ,….)	Claim Students in numbers reports m... that They study it
B – the reviewer Electronic, sites the internet ….	– Location Archives – Location allur... Arabic

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

M. Yasser Ali Mutni

Course description form
Course description

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

Enterprise educational	College Education the basic
Section Scientific / Center	Calculators
Noun / Code scheduled	Research Processes
shapes Attendees available	Is mandatory
the classroom / the year	the classroom scholastic the first / the year Thir...
number hours tuition (total)	30 hours
Date Preparation this the description	1/ 10/ 2021

Goals scheduled
Understand the basic concepts of analyzing and developing data structures in the calculator
Understand the basic stages in the formation of data structures
3. Identify and obtain data structures requirements
Infer operations research specifications through data analysis
Provide clear analysis and design for operations research using diagrams

outputs scheduled and modalities education and learning and evaluation
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding from Duri... material Research Processes a2- Tamkeen Students from get on me Knowledge and understanding for ex...

Processes in various ways its forms a3- Empowerment Students from get on me Knowledge and understa
Research Processes a4- Empowerment Students from get on me Knowledge and understanding No matter
to Research Processes a5- Empowerment Students from get on me Knowledge and understanding to analy
issues material Research Processes a6- Empowerment Students from get on me Knowledge and understan
references study Research Processes

B – Objectives Marathi own By decision. B1 – compare between Species Research Processes different B2
Research Processes And explains Her reasons . B3 – Apply writing paper or Search in Theme from Topic
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
Before Mr. Subject 3. Claim Students visit the library examining on me Sources study Research Processe

 modalities Evaluation

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

C- Objectives Sentimental and value c1- That explains And he analyzes evidence for research Processes c
differentiate between nature Research Processes of all kinds . c3- He resides Some texts and information
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 E
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 evolu
used Sources and references contemporary. Dr2- formation a group from Students to study and research F
Statement from institutions Country Same Relationship researches Processes to increase acquaintances St
Dr4- Statement from centers documents and libraries that Contains on me manuscripts and documents Re

structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	meth educa
the first	3	Enable Students from Understanding structures graphic and analyze it	analysis and design structures graphic	lectur castin
The second	3	Enable Students from knowledge structures data	analyzer systems	lectur castin

Third	3	Enable Students from save Forms About acting data	Forms About acting data	lectur casti
the fourth	3	Enable Students from knowledge requirements structures evidence	requirements structures data	lectur casti
Fifth	3	the definition With all Specifications research Processes in detail	Specifications research Processes from During analysis research Processes	lectur casti
VI	3	Enable Students from knowledge patterns Design Research Processes the information	Design Research Processes the information It includes interface the user and lists and systems sub	lectur casti
VII			the exam monthly	

structure substratum

1 books assessed required	– structures data – datastructure
2 the reviewer Main (Sources)	Research Processes , Dr Essam yolk. annie smith
a books and references that recommend with it (Journals Scientific , reports ,….)	Claim Students in numbers reports m that They study it
B – the reviewer Electronic, sites the internet ….	– Location Archives – Location allure Arabic

plan Development scheduled scholastic

 1. Work on me Polarization Masters from universities other to throw Lectures Scientific specialized rese assignment Students Achievement Research study field what suffer language anti from problems social A Solutions effective for those the problems and tackle phenomena that He suffers Of which They studied F

M. Yasser Ali Mutni

Course description form
Course description

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

Enterprise educational	College Education the basic
Section Scientific / Center	Calculators
Noun / Code scheduled	techniques Calculator
shapes Attendees available	Is mandatory

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

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

outputs scheduled and modalities education and learning and evaluation
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding for genera stages its evolution via History a2- Tamkeen Students from get on me Knowledge and understanding con Empowerment Students from get on me Knowledge and understanding for devices component for the con Empowerment Students from get on me Knowledge and understanding software download the computer Students from get on me Knowledge and understanding for types devices the computer from where missi Empowerment Students from get on me Knowledge and understanding for languages Calculators softwar
B – Objectives Marathi own By decision. B1 – Ability on me maintenance the computer B2 – ability on that face the user At Utilization Calculator . B3 – Enable requester on me Discrimination to type Calculat 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 Before Mr. Subject 3. Claim Students visit the library examining on me Sources study techniques Calcula
modalities Evaluation
1. Tests daily with questions specific 2. Lay grades for assignments household and posts class . 3. Tests objectivity and frying pan
C- Objectives Sentimental and value c1- That explains And he analyzes evidence for techniques Calculat differentiate between nature techniques Calculator of all kinds . c3- He resides Some texts and informatio 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 F 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 evolu used Students vocabulary technological modern Dr2- make up groups to set up Relations together help Sc Dr3- He managed Students from Development subjective continuous when distance graduation . Dr4- He passing Tests proces And professional organize from Before destinations local / regional / international

structure scheduled

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

structure substratum

readings required texts the basic books scheduledother	ingredients the computer profileComputer skills and applications science
requirements Especially	Accommodation courses Training in area uses the computer and s .Accommodation courses training to use the network arachnoidA Seminars and conferences Scientific and cultural
a books and references that recommend with it (Journals Scientific , reports ,….)	Claim Students in numbers reports monthly About themes that T.
B – the reviewer Electronic, sites the	– Location Archives – Location allure – Location Our library Ara

internet ….	

plan Development scheduled scholastic

1. Work on me Polarization Masters from universities other to throw Lectures Scientific specialized Tech
assignment Students Achievement Research study field what suffer language anti from problems social A
Solutions effective for those the problems and tackle phenomena that He suffers Of which They studied t

Mother. Intisar Yassin Khudair

Course description form
Course description

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

Enterprise educational	University Diyala
Section Scientific / Center	College Education the basic
Noun / Code scheduled	Internet and powerpoint
shapes Attendees available	Is mandatory
the classroom / the year	2020-2021
number hours tuition (total)	2 * 15 = 30
Date Preparation this the description	1/ 10/ 2021

Goals scheduled that is being requester knowledgeable with concepts coming

1- Students should know what computer networks are and effectively enable them to carry out searches w

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 pr

outputs scheduled and modalities education and learning and evaluation
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding principles Students from get on me basics in a program fallow Point a3- Increase Awareness I have Students on me the computer And program it with a picture General a4- Empowerment Students on me build up Mail ele 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 Utiliza B2 – increase portability Students on me Adaptation With all programs and applications available on me increase portability Students on me Learn skills own in apps networks like Mail electronic B4- Increase p 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 informatio Relationship , periodicals , Messages undergraduate) and distributed vocabulary on me weeks the classro Calendar that will run followed , my agencies: 1. Initialize Lectures According to sequence Which rose in About road help with sources the information precedent The remembrance. 2. Notify Students About The intent config. 3. Demand from Students Submit Leaves Belonging to subject or More from themes restric
modalities Evaluation
1. Conduct two exams two quarters the first distance expiration the week Fifth from the classroom schol distance the week atheistic ten from the classroom scholastic and considerate in All Exam levels mental (application, exploration) where Degree Calendar to her 40% of achievement total on me that Takes I see perseverance requester and volume Share it daily. 2. Exam End the classroom scholastic And for him 60% According timings Ministry And take into account At put questions inclusivity content scheduled scholas Remember , application, exploration).
C- Objectives Sentimental and value c1- You know Students on me ingredients the basic to network Inter Students on me How deal With networks and its applications different c3- You know Students on me Ho offers fallow Point c4- Get acquainted on me the network arachnoid And how search and withdraw Sour download
modalities education and learning
Uses Usually style education direct where Done education skills in a form direct And frank booster By education Basis
modalities Evaluation
Come inclusive With operations Evaluation By decision scholastic that Obtain during and end the classro
Dr – skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolu Employment skills earned in education Knowledge I have Students Stage education Basis. Dr2-choice Ex education Basis And to each Of which skills that eat it scheduled scholastic. Dr3-Evaluation Bezel acquis Basis for skills application. Dr4- Building Tests Especially domains thinking for pupils Stage education B
structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	method education
1	2	an introduction About Inter net and browse web	an introduction About Inter net and browse web	Discussion and inter
2	2	to withdraw Sources and programs and photos	to withdraw Sources and programs and photos	Discussion and inter
3	2	formation Box Mail electronic and messaging	formation Box Mail electronic and messaging	Discussion and inter
4	2	Safety and protection	Safety and protection	Discussion and inter
5	2	change settings Inter net	change settings Inter net	Discussion and inter
6	2	Test Monthly	Test Monthly	_____
7	2	employment fallow Point and create an offer introductory new	employment fallow Point and create an offer introductory new	Discussion and inter
8	2	build up Offers introductory using Templates design	build up Offers introductory using Templates design	Discussion and inter
9	2	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	Discussion and inter
10	2	Release and arrange offers introductory	Release and arrange offers introductory	Discussion and inter
11	2	Preservation and print	Preservation and print	Discussion and inter
12	2	change Design Width Presentation entire	change Design Width Presentation entire	Discussion and inter
13	2	Modification and transfer texts And add Business Artistic	Modification and transfer texts And add Business Artistic	Discussion and inter
14	2	Utilization Notes talker and get out from the program	Utilization Notes talker and get out from the program	Discussion and inter
15	2	Test Monthly	Test Monthly	_____

structure substratum	
1 books assessed required	Nothing
2 the reviewer Main (Sources)	Internet basics PowerPoint basics
a books and references that recommend with it (Journals Scientific , reports ,….)	Benefit from periodicals and resourc
B – the reviewer Electronic, sites the internet ….	Benefit from the international inform known sources

plan Development scheduled scholastic
1. Done Development scheduled According to requirements Which Appear in Development curricula in 2. Done Development scheduled According to requirements Which Appear in Development curricula in t Accreditation on me courses that issued from Commission sectoral And you are orphaned Suggestion fro universities

Course description form
Course description

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

Enterprise educational	University Diyala
Section Scientific / Center	College Education the basic
Noun / Code scheduled	basics System Employment Windows
shapes Attendees available	Is mandatory
the classroom / the year	2020-2021
number hours tuition (total)	2 * 15 = 30
Date Preparation this the description	1/ 10/ 2021

Goals scheduled that is being requester knowledgeable with concepts coming
1- That the students know the concept of using the Windows system in an effective way that enables then work
2- Increasing and expanding students' awareness of interacting with the software packages available from
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

A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding principles Windows a2- Tamkeen Students from get on me basics System Employment Windows a3- Increase Awa 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 s Utilization System Employment Windows B2 – increase portability Students on me Adaptation With all p applications Ready made used in the computer B3 – increase portability Students on me Learn skills own Employment Windows B4-

 modalities education and learning

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

 modalities Evaluation

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

C- Objectives Sentimental and value c1- You know Students on me ingredients the basic for a window th Students on me How deal With programs the system c3- You know Students on me How deal With wind 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 education Basis

 modalities Evaluation

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

Dr – skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolu
Employment skills earned in education Knowledge I have Students Stage education Basis. Dr2-choice Ex
education Basis And to each Of which skills that eat it scheduled scholastic. Dr3-Evaluation Bezel acquis
Basis for skills application. Dr4- Building Tests Especially domains thinking for pupils Stage education E

structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	method education
1	2	Identify on me the computer and its components physical and software	Identify on me the computer and its components physical and software	Discussion and inter
2	2	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	Discussion and inter
3	2	ingredients Window a program roses	ingredients Window a program roses	Discussion and inter
4	2	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	Discussion and inter
5	2	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	Discussion and inter
6	2	Test Monthly	Test Monthly	_____
7	2	features Width and configure Folder and delete it and copy it	features Width and configure Folder and delete it and copy it	Discussion and inter
8	2	formation abbreviated shortcat And Survey Basket Recycle and method Return Recycle	formation abbreviated shortcat And Survey Basket Recycle and method Return Recycle	Discussion and inter
9	2	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	Discussion and inter
10	2	Identify on me Window (mycomputer)	Identify on me Window (mycomputer)	Discussion and inter
11	2	Identify on me Window (window explorer)	Identify on me Window (window explorer)	Discussion and inter

12	2	Identify on me Window (control panel)	Identify on me Window (control panel)	Discussion and inter
13	2	deal With CD and flash and printer	deal With CD and flash and printer	Discussion and inter
14	2	viruses	viruses	Discussion and inter
15	2	Test Monthly	Test Monthly	_____

structure substratum

1 books assessed required	Nothing
2 the reviewer Main (Sources)	Windows operating system7 Windov
a books and references that recommend with it (Journals Scientific , reports ,….)	Benefit from periodicals and resourc
B – the reviewer Electronic, sites the internet ….	Benefit from the international inform known sources

plan Development scheduled scholastic

1. Done Development scheduled According to requirements Which Appear in Development curricula in I
Done Development scheduled According to requirements Which Appear in Development curricula in the
Accreditation on me courses that issued from Commission sectoral And you are orphaned Suggestion fro
universities

Course description form
Course description

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

Enterprise educational	College Education the basic
Section Scientific / Center	Calculators
Noun / Code scheduled	structures intermittent
shapes Attendees available	Is mandatory
the classroom / the year	the classroom scholastic second / year The first
number hours tuition (total)	30 hours

Date Preparation this the description	1/ 10/ 2021

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

outputs scheduled and modalities education and learning and evaluation
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding from Duri material structures intermittent a2- Tamkeen Students from get on me Knowledge and understanding for structures intermittent in various ways its forms a3- Empowerment Students from get on me Knowledge a About material structures intermittent a4- Empowerment Students from get on me Knowledge and unders issues that Belonging to structures intermittent a5- Empowerment Students from get on me Knowledge a analyze and interpretation issues material structures intermittent a6- Empowerment Students from get on understanding Bahm Sources and references study structures intermittent
B – Objectives Marathi own By decision. B1 – compare between Species structures intermittent different structures intermittent And explains Her reasons . B3 – Apply writing paper or Search in Theme from To 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 e from Before Mr. Subject 3. Claim Students visit the library examining on me Sources study structures int
modalities Evaluation
1. Tests daily with questions specific 2. Lay grades for assignments household and posts class . 3. Tests n objectivity and frying pan
C- Objectives Sentimental and value c1- That explains And he analyzes evidence for structures intermitte differentiate between nature structures intermittent of all kinds . c3- He resides Some texts and informatic 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 I 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 evolu
used Sources and references contemporary. Dr2- formation a group from Students to study and structures
Statement from institutions Country Same Relationship with structures intermittent to increase acquaintan
distribute it. Dr4- Statement from centers documents and libraries that Contains on me manuscripts and d
intermittent

structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	meth educa
the first	3	Enable Students from Understanding structures graphic and analyze it	analysis and design structures graphic	lectu castin
The second	3	Enable Students from knowledge structures intermittent	analyzer systems	lectu castin
Third	3	Enable Students from save Forms About acting data	Forms About acting data	lectu castin
the fourth	3	Enable Students from knowledge requirements structures evidence	requirements structures intermittent	lectu castin
Fifth	3	the definition With all Specifications the structure My statement in detail	Specifications the structure My statement from During analysis the structure My statement	lectu castin
VI	3	Enable Students from knowledge patterns Design structure My statement the information	Design structure My statement the information It includes interface the user and lists and systems sub	lectu castin
VII			the exam monthly	

structure substratum

1 books assessed required	– structures intermittent -discretematha
2 the reviewer Main (Sources)	structures intermittent ,
a books and references that recommend with it (Journals Scientific , reports ,….)	Claim Students in numbers reports mo They study it
B – the reviewer Electronic, sites the internet ….	– Location Archives – Location allure Arabic

plan Development scheduled scholastic

 1. Work on me Polarization Masters from universities other to throw Lectures Scientific specialized with
2. assignment Students Achievement Research study field what suffer language anti from problems socia

put Solutions effective for those the problems and tackle phenomena that He suffers Of which They studi
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
outcomes expected of the student to achieve, demonstrating whether he has made the most of the availabl
It must be linked to the program description.**;**

Enterprise educational	University Diyala / College to breed the basic
Section Scientific / Center	Section Scientific / Calculators
Noun / Code scheduled	Flag self the growth
shapes Attendees available	Is mandatory
the classroom / the year	The second / phase The first
number hours tuition (total)	45 hours
Date Preparation this the description	1/ 10/ 2021

Goals scheduled

Understand and internalize the philosophy and principles of developmental psychology.

Knowledge of the theoretical framework of growth.

Defining the student what is the relationship between developmental psychology and human developmen

Introducing students to the general laws of growth and their use in daily life.

Introducing students to the characteristics, features and advantages of the stages of development that a pe

outputs scheduled and modalities education and learning and evaluation

A- Objectives Cognitive a1- He knows Concept Flag self the growth . a2- Definition requester with theor
pedagogical in the growth Cognitive a3- Explain for the student Importance Phase the growth that passes
Explain for the student How deal With others. a5- Definition requester at best styles pedagogical to deal V

B – Objectives Marathi own By decision. B1 – applies writing paper or Search in any Theme from theme B2 – to collect information About phenomena and problems own by growth. B3 – decomposition Reason and confront it. B4-	
modalities education and learning	
supply Students With reasons and topics related with knowledge same the growth.Claim Students visit the sites e to get on me knowledge extra with knowledge self the growth .Utilization modalities diction and t discussion.	
modalities Evaluation	
tests daily with questions specific.put grades To participate class.Assigned requester accomplished report tuition.tests monthly with questions objectivity and frying pan.	
C- Objectives Sentimental and value c1- He realizes Importance Materials pedagogical. c2- He gives Imp that You must Solutions A quick. c3- Practice activities pedagogical. c4-	
modalities education and learning	
method storming mental.fee charts guiding.Utilization method offers introductory.	
modalities Evaluation	
the exam Editorial To measure capacity requester on me thinking And imagine conclusion.Exams daily u Questions court and deductive writing reports.	
Dr – skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolu Skills Utilization the reviewer and jargon. Dr2- Skills Preparation concepts own About Topic Dr3- Skills 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 outcomes expected of the student to achieve, demonstrating whether he has made the most of the availabl It must be linked to the program description.**;**	
Enterprise educational	University Diyala
Section Scientific / Center	College Education the basic
Noun / Code scheduled	Processed microspheres
shapes Attendees available	Is mandatory
the classroom / the year	the classroom scholastic the first / the year the sec
number hours tuition (total)	3 * 15 = 45

Date Preparation this the description	1/ 10/ 2021

Goals scheduled that is being requester knowledgeable with concepts coming

1- Students should know what microprocessors are, the most important types, and the history of their dev

2- Increasing and expanding students' awareness of what is related to arithmetic and logical operations ar in Al-Mahalaj (8085)

3- That the students recognize the most important instructions of the processor (8085) and learn about its

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 c

outputs scheduled and modalities education and learning and evaluation

A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding principles a2- Tamkeen Students from get on me basics wizards microspheres a3- Increase Awareness I have Studer Understanding else developments and updates on me wizards microspheres a4- Empowerment Students f language compilation a5- a6-

B – Objectives Marathi own By decision. B1 – Excellence between Species wizards different And find ou Possibility Students on me Understanding language compilation and absorb Her orders B3 – know on me (8085)and date development wizards B4-

modalities education and learning

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

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 classroom scholastic And the second distance the week atheistic ten from the classroom scholastic and co levels mental (Remember , application, exploration) where Degree Calendar to her 40% of achievement see consideration perseverance requester and volume Share it daily. 2. Exam End the classroom scholastic

achievement According timings Ministry And take into account At put questions inclusivity content sche
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 ex
education Basis

modalities Evaluation

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

Dr – skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolu
Employment skills earned in education Knowledge I have Students Stage education Basis. Dr2-choice Ex
education Basis And to each Of which skills that eat it scheduled scholastic. Dr3-Evaluation Bezel acquis
Basis for skills application. Dr4- Building Tests Especially domains thinking for pupils Stage education E

structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	method education
1	2	Introduction to MP architecture	Introduction to MP architecture	Discussion and interrog
2	2	MP architecture and operation	MP architecture and operation	Discussion and interrog
3	2	80,805 MP	80,805 MP	Discussion and interrog
4	2	Introduction to 8085 instructions	Introduction to 8085 instructions	Discussion and interrog
5	2	Data transfer operation	Data transfer operation	Discussion and interrog
6	2	Test Monthly	Test Monthly	_____
7	2	Arithmetic operation	Arithmetic operation	Discussion and interrog
8	2	logic operations	logic operations	Discussion and interrog
9	2	branch operation	branch operation	Discussion and interrog
10	2	Writing assembly language	Writing assembly language	Discussion and interrog

		programme	programme	
11	2	Counter and time delays	Counter and time delays	Discussion and interrog
12	2	Stock and subroutines	Stock and subroutines	Discussion and interrog
13	2	Multiplication	Multiplication	Discussion and interrog
14	2	Interrupts	Interrupts	Discussion and interrog
15	2	Test Monthly	Test Monthly	_____

structure substratum	
1 books assessed required	Nothing
2 the reviewer Main (Sources)	Treatments8085 and 8
a books and references that recommend with it (Journals Scientific , reports ,….)	Recent publications re
B – the reviewer Electronic, sites the internet ….	Local sites Arab sites

plan Development scheduled scholastic

.Complete Development scheduled According to requirements Which Appear in Development curricula i
2. Done Development scheduled According to requirements Which Appear in Development curricula in t
Accreditation on me courses that issued from Commission sectoral And you are orphaned Suggestion fro
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
outcomes expected of the student to achieve, demonstrating whether he has made the most of the availabl
It must be linked to the program description.**;**

Enterprise educational	University Diyala
Section Scientific / Center	College Education the basic
Noun / Code scheduled	Package Microsoft rose (Organized ready)
shapes Attendees available	Is mandatory

the classroom / the year	the classroom scholastic second / year The first
number hours tuition (total)	2 * 15 = 30
Date Preparation this the description	1/ 10/ 2021

Goals scheduled that is being requester knowledgeable with concepts coming

1- That the students recognize the concept of using the Word program in an effective way that enables the

2- Increasing and expanding students' awareness of interacting with ready-made office software packages

3- That the students recognize the concept of using the document in the Word program

outputs scheduled and modalities education and learning and evaluation

A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding principles Tamkeen Students from get on me basics microsoft rose a3- Increase Awareness I have Students on me In 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 portability Students on me Adaptation With all programs and applications Ready made used in the compu 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 informatic Relationship , periodicals , Messages undergraduate) and distributed vocabulary on me weeks the classroc Calendar that will run followed , my agencies: 1. Initialize Lectures According to sequence Which rose ir About road help with sources the information precedent The remembrance. 2. Notify Students About The intent config. 3. Demand from Students Submit Leaves Belonging to subject or More from themes restric

modalities Evaluation

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

According timings Ministry And take into account At put questions inclusivity content scheduled scholas
Remember , application, exploration).

C- Objectives Sentimental and value c1- You know Students on me ingredients the basic for a window th
know Students on me How deal With the document inside the program c3- You know Students on me Ho
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 e
education Basis

modalities Evaluation

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

Dr – skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolu
Employment skills earned in education Knowledge I have Students Stage education Basis. Dr2-choice Ex
education Basis And to each Of which skills that eat it scheduled scholastic. Dr3-Evaluation Bezel acquis
Basis for skills application. Dr4- Building Tests Especially domains thinking for pupils Stage education B

structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	method education
1	2	Identify on me a program roses and knock employment the program	Identify on me a program roses and knock employment the program	Discussion and inte
2	2	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	Discussion and inte
3	2	ingredients Window a program roses	ingredients Window a program roses	Discussion and inte
4	2	Writing in doc and specify shading Text	Writing in the document and specify shading Text	Discussion and inte
5	2	Identify on me coordination Text from During ribbon the page Main	Identify on me coordination Text from During ribbon the page Main	Discussion and inte
6	2	Test Monthly	Test Monthly	_____
7	2	coordination cell Line include change size color Type Line make Writing black bold italics	coordination cell Line include change size color Type Line make Writing black bold italics	Discussion and inte

		ruler alignment left to the right in the middle setting Writing	ruler alignment left to the right in the middle setting Writing	
8	2	Identify on me tapes the program the page Main tab Inclusions	Identify on me tapes the program the page Main tab Inclusions	Discussion and inte
9	2	Identify on me tapes the program Planning the page tab the reviewer	Identify on me tapes the program Planning the page tab the reviewer	Discussion and inte
10	2	Identify on me tapes the program tab Correspondence tab an offer	Identify on me tapes the program tab Correspondence tab an offer	Discussion and inte
11	2	Identify on me tapes the program tab body tab the design	Identify on me tapes the program tab body tab the design	Discussion and inte
12	2	Identify on me existing file	Identify on me existing file	Discussion and inte
13	2	backing down to me a step to me successor back to me step suffix	backing down to me a step to me successor back to me step suffix	Discussion and inte
14	2	preview Before printing and print Table All paper	preview Before printing and print Table All paper	Discussion and inte
15	2	Test Monthly	Test Monthly	_____

structure substratum

1 books assessed required	Nothing
2 the reviewer Main (Sources)	Microsoft Rose2010
a books and references that recommend with it (Journals Scientific , reports ,….)	Benefit from periodicals and resourc
B – the reviewer Electronic, sites the internet ….	Benefit from the international inform known sources

plan Development scheduled scholastic

1. Done Development scheduled According to requirements Which Appear in Development curricula in I
Done Development scheduled According to requirements Which Appear in Development curricula in the

Accreditation on me courses that issued from Commission sectoral And you are orphaned Suggestion fro 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 outcomes expected of the student to achieve, demonstrating whether he has made the most of the availabl It must be linked to the program description.**;**

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

Goals scheduled that is being requester knowledgeable with concepts coming

1- That the students recognize the concept of using the Excel program in an effective way that enables the statistical and logical work.

2- Increasing and expanding students' awareness of interacting with ready-made office software packages

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, 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 them to make presentation projects

outputs scheduled and modalities education and learning and evaluation

A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding principles
Tamkeen Students from get on me basics microsoft Offs a3- Increase Awareness I have Students on me I
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 printin
Processes sports and statistic B2 – increase portability Students on me Adaptation With all programs and
made used in the computer B3 – increase portability Students on me Learn skills own in a program micro

modalities education and learning

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

modalities Evaluation

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

C- Objectives Sentimental and value c1- You know Students on me ingredients the basic system microso
Students on me How deal With doc inside a program roses c3- You know Students on me How deal With
windows the system c4- use functions and formulas arithmetic and performances introductory and docs t

modalities education and learning

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

modalities Evaluation

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

Dr – skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolu
Employment skills earned in education Knowledge I have Students Stage education Basis. Dr2-choice Ex
education Basis And to each Of which skills that eat it scheduled scholastic. Dr3-Evaluation Bezel acquis
Basis for skills application. Dr4- Building Tests Especially domains thinking for pupils Stage education E

structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	method education
1	2	Identify on me a program Excel and knock employment	Identify on me a program Excel and knock employment	Discussion and inter

		the program	the program	
2	2	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	Discussion and inter
3	2	ingredients Window a program Excel	ingredients Window a program Excel	Discussion and inter
4	2	Writing in paper the work and specify shading Text	Writing in paper the work and specify shading Text	Discussion and inter
5	2	Identify on me coordination Text from During ribbon the page Main	Identify on me coordination Text from During ribbon the page Main	Discussion and inter
6	2	Test Monthly	Test Monthly	_____
7	2	Identify on me a program roses and knock employment the program	Identify on me a program Excel and knock employment the program	Discussion and inter
8	2	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	Discussion and inter
9	2	Identify on me tapes the program the page Main tab Inclusions	Identify on me tapes the program the page Main tab Inclusions	Discussion and inter
10	2	Identify on me tapes the program Planning the page tab the reviewer	Identify on me tapes the program Planning the page tab the reviewer	Discussion and inter
11	2	Identify on me tapes the program tab Correspondence tab an offer	Identify on me tapes the program tab Correspondence tab an offer	Discussion and inter
12	2	Identify on me existing file	Identify on me existing file	Discussion and inter
13	2	employment fallow Point and create an offer introductory new	employment fallow Point and create an offer introductory new	Discussion and inter
14	2	build up Offers introductory using Templates design	build up Offers introductory using Templates design	Discussion and inter
15	2	Test Monthly	Test Monthly	_____

structure substratum		

1 books assessed required	Nothing
2 the reviewer Main (Sources)	Microsoft2010 Microsoft2007
a books and references that recommend with it (Journals Scientific , reports ,….)	Benefit from periodicals and resourc
B – the reviewer Electronic, sites the internet ….	Benefit from the international inform known sources

plan Development scheduled scholastic

.Complete Development scheduled According to requirements Which Appear in Development curricula i 2. Done Development scheduled According to requirements Which Appear in Development curricula in t Accreditation on me courses that issued from Commission sectoral And you are orphaned Suggestion fro universities

Course description form
Course description

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

Enterprise educational	University Diyala
Section Scientific / Center	College Education the basic
Noun / Code scheduled	Package Microsoft Excel
shapes Attendees available	Is mandatory
the classroom / the year	the classroom scholastic second / year The firs
number hours tuition (total)	2 * 15 = 30
Date Preparation this the description	1/ 10/ 2021

Goals scheduled that is being requester knowledgeable with concepts coming

1- That the students recognize the concept of using the Excel program in an effective way that enables th statistical and logical work.

2- Increasing and expanding students' awareness of interacting with ready-made office software package

3- Students should know the concept of using mathematical formulas that include functions in the Excel

outputs scheduled and modalities education and learning and evaluation
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding principles Tamkeen Students from get on me basics microsoft Excel a3- Increase Awareness I have Students on me 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 Achiev and statistic and logical B2 – increase portability Students on me Adaptation With all programs and appli used in the computer B3 – increase portability Students on me Learn skills own in a program microsoft E
modalities education and learning
in Start the classroom Being inform Students vocabulary scheduled scholastic and sources the informatic Relationship , periodicals , Messages undergraduate) and distributed vocabulary on me weeks the classroc Calendar that will run followed , my agencies: 1. Initialize Lectures According to sequence Which rose ir About road help with sources the information precedent The remembrance. 2. Notify Students About The intent config. 3. Demand from Students Submit Leaves Belonging to subject or More from themes restric
modalities Evaluation
1. Conduct two exams two quarters the first distance expiration the week Fifth from the classroom schol distance the week atheistic ten from the classroom scholastic and considerate in All Exam levels mental (application, exploration) where Degree Calendar to her 40% of achievement total on me that Takes I see o perseverance requester and volume Share it daily. 2. Exam End the classroom scholastic And for him 60% According timings Ministry And take into account At put questions inclusivity content scheduled scholas Remember , application, exploration).
C- Objectives Sentimental and value c1- You know Students on me ingredients the basic for a window th know Students on me How deal With Leaves the work inside Adjective the one for the program c3- You 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 e education Basis
modalities Evaluation

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

Dr – skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolu
Employment skills earned in education Knowledge I have Students Stage education Basis. Dr2-choice Ex
education Basis And to each Of which skills that eat it scheduled scholastic. Dr3-Evaluation Bezel acquis
Basis for skills application. Dr4- Building Tests Especially domains thinking for pupils Stage education E

structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	method education
1	2	Identify on me a program Excel and knock employment the program	Identify on me a program Excel and knock employment the program	Discussion and inter
2	2	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	Discussion and inter
3	2	ingredients Window a program Excel	ingredients Window a program Excel	Discussion and inter
4	2	Writing in paper the work and specify shading Text	Writing in paper the work and specify shading Text	Discussion and inter
5	2	Identify on me coordination Text from During ribbon the page Main	Identify on me coordination Text from During ribbon the page Main	Discussion and inter
6	2	Test Monthly	Test Monthly	_____
7	2	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	Discussion and inter
8	2	Identify on me tapes the program the page Main tab Inclusions	Identify on me tapes the program the page Main tab Inclusions	Discussion and inter
9	2	Identify on me tapes the program Planning the page tab Sources	Identify on me tapes the program Planning the page tab Sources	Discussion and inter
10	2	Identify on me tapes the program tab formulas tab data	Identify on me tapes the program tab formulas tab data	Discussion and inter

11	2	Identify on me tapes the program tab an offer tab the design	Identify on me tapes the program tab an offer tab the design	Discussion and inter
12	2	formula ingredients formula Factors Comparison Utilization parentheses	formula ingredients formula Factors Comparison Utilization parentheses	Discussion and inter
13	2	Definition of function build up formulas arithmetic	Definition of function build up formulas arithmetic	Discussion and inter
14	2	build up Formula Includes function ready	build up Formula Includes function ready	Discussion and inter
15	2	Test Monthly	Test Monthly	_____

structure substratum	
1 books assessed required	Nothing
2 the reviewer Main (Sources)	Microsoft Excel2010
a books and references that recommend with it (Journals Scientific , reports ,….)	Benefit from periodicals and resourc
B – the reviewer Electronic, sites the internet ….	Benefit from the international inform known sources

plan Development scheduled scholastic

1. Done Development scheduled According to requirements Which Appear in Development curricula in I
Done Development scheduled According to requirements Which Appear in Development curricula in the
Accreditation on me courses that issued from Commission sectoral And you are orphaned Suggestion fro
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
outcomes expected of the student to achieve, demonstrating whether he has made the most of the availabl
It must be linked to the program description.**;**

Enterprise educational	University Diyala / college Education the basic
Section Scientific / Center	to divide Calculators

Noun / Code scheduled	techniques pedagogical
programs that Enters In which	Ministry education Higher and search Scientific
shapes Attendees available	Is mandatory
the classroom – And the year	the classroom scholastic Fifth -the year Third
number hours tuition (total)	2 x 15 = 30
Date Preparation this the description	1/ 10/ 2021

9- Course Objectives: The student should be familiar with the following information and have the skills

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

Evolution of the concept of educational technology

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

Some educational aids and techniques – including audio aids and techniques (audio recordings, school ra
laboratories, radio)

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

Audiovisual technologies (films of all kinds, educational television, video, educational cinema?, remote c
circuit television

Satellites and the Internet.

Technical skills in learning and training – Education design –

outputs scheduled and modalities education and learning and evaluation

A- Knowledge and understanding : 1-An Realize requester meaning of techniques pedagogical from wl
in The Quran Generous And the biography prophetic/ 2- That Known requester Importance tech T pedago
3- That Known requester How do Uses techniques pedagogical As a means help in education 4- That Kno
development techniques pedagogical 5- That He distinguishes requester between techniques pedagogical
(audio, visual, audio visual) 6- That Known requester theory Connection And its role in proces learning 7
Utilization the internet in Help on me get on me the information . 8- That Known requester How Action r
Transfer Knowledge 9- That Known requester How use techniques pedagogical At apply it in his field Pr

B – Objectives Marathi own subject that made up I have Students skills Utilization techniques pedagog
and levels in domains the following: 1- Meaning techniques pedagogical from where (define it, its roses
And the biography prophetic/ 2- He knows requester Importance tech T pedagogical And its benefits 3- H
do Uses techniques pedagogical As a means help in education 4- Distinguish requester between techniqu
where its types (audio, visual, audio visual) 5- He knows requester theory Connection And its role in pro
Known requester Utilization the internet in Help on me get on me the information . 7- That Known reque
industrial in Transfer Knowledge

*modalities education and learning

1-to use Usually style education direct to define With techniques pedagogical, where Done education te
a form direct enhanced with examples About How use it in teaching mathematics to stage education Basi
According to sequence Which rose in scheduled scholastic About road help with sources the information
remembrance. 3-Inform Students with a subject lecture suffix to configure. 4-Submit Students Leaves B
More from themes restriction the lesson.

*modalities Evaluation

Come inclusive With operations Evaluation own at headquarters scholastic that Obtain during the classro
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 te
from During use it and running And find out its characteristics and their features And how Width from th
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

Dr – skills the public and rehabilitative movable (skills other related susceptibility recruitment an
Employment techniques pedagogical in education Knowledge I have pupils Stage education Basis 2-use t
in give Examples from through it Complete Learn skills eat it scheduled scholastic 3- Evaluation Bezel a
education Basis for skills Learn devices modern 4- Building Tests M During Utilization techniques pedag
subject the computer And how eat it with a picture interesting for pupils.

structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	methode educati
1	2	Definition of means and techniques pedagogical. existence And definition with it By the Quran And the year antiseptic	Definition of means educational, first Instrument educational in The Quran	Discus interro
2	2	Importance means and techniques pedagogical	frail woo means Technology in education	Debate questio
3	2	development Concept techniques pedagogical	How do evolved means educational	Debate questio
4	2	Role theory Connection in Concept techniques pedagogical	theory Connection And its role in proces learning	Debate questio

5	2	Some means and techniques pedagogical	classification means and techniques pedagogical	Debate questio
6	2	Exam Monthly	Questions from Subject assessed	——
7	2	means and techniques audio	means that you hear By permission Utilization sense hearing	Debate questio
8	2	means and techniques visual	means that Complete Width to see by eye any Utilization sense sight	Debate questio
9	2	means and techniques audio visual	means that be audio And visual any Utilization my sense hearing And sight	Debate questio
10	2	moons industrial and her work	Definition of by satellites industrial And how her job	Debate questio
11	2	the internet	Identify on the internet and network the information international And how Access for him and search and a receipt the information	Debate questio
12	2	Design education	How Design the program educational	Debate questio
13	2	the environment local and design techniques pedagogical	How Design techniques pedagogical from the environment local	Debate questio
14	2	Some devices Width	an offer devices Before students and operate it	Discus
15	2	Some devices Width	an offer devices Before Students and running	Discus

structure substratum	
1 books assessed required	There is no approved textbook for teaching, but a varie cover the theoretical aspect of the prescribed academic
2 the reviewer Main (Sources)	Nothing
a books and references that recommend with it (Journals Scientific , reports ,….)	Books, periodicals and scientific research that deal with the subject
B – the reviewer Electronic, sites the internet ….	All references pertaining to educational techniques and matter of the subject
plan Development scheduled scholastic	

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

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

Goals scheduled

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

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 evaluation

A- Objectives Cognitive 1-knows extension singles and collective And direct And change direct. 2-expl
extention. 3-appointed faces similarities the difference between extension direct And change direct. 4-cla
extension collective. 5-enumerate requester steps extension direct. 6-gives Examples About the problems
pedagogical.

B – Objectives Marathi own By decision. 1-Compare between extension direct and extension others dir

pedagogical and confront it. 3-Apply writing fitness Search in any Theme About Topics extension educat
phenomena and problems pedagogical.

*modalities education and learning

supply Students With the basics and topics related by the ways and styles extention.Clarification And exp
teaching material modalities and styles extention.Claim Students visit the library And see on me Sources
Students Visit sites e to get on me knowledge addition with guidance and guidance.Utilization modalities
and 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 Stud
About the problems extention and knock processed . 4- Tests monthly with questions objectivity and fryin

C- Objectives Sentimental and value 1-Realize Importance ways and styles extention in deal With the p
problems that You must Solutions A quick . 3- Practice activities extention . 4- He resides activities exter

*modalities education and learning

use method offers
introductory
        fee charts Captions .method storming mental .

* Modalities Evaluation the exam analysis To measure capacity requester on me thinking and analysis co
between ways and styles extention .writing Research About phenomena and problems .Exams daily with
deductive .

Dr – skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolu
and jargon .skills in plural data About Topic And analyze it .skills Procedure comparisons About Topic .s
potential .skills Preparation concepts own About Topic .

Mother. Nawras Haider Mahmoud

Course description form
Course description

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

Enterprise educational	University Diyala / College Education the basic
Section Scientific / Center	Section Scientific Calculators
Noun / Code scheduled	charts
shapes Attendees available	Is mandatory

the classroom / the year	the classroom scholastic The second / the year the sec
number hours tuition (total)	3 * 15 = 45
Date Preparation this the description	1/ 10/ 2021

Goals scheduled
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 geor

outputs scheduled and modalities education and learning and evaluation
A- Objectives Cognitive a1-Enable Students from get on me Knowledge and understanding for stages De History a2-Enable Students from get on me Knowledge and understanding components charts. a3- He ma get on me Knowledge and understanding for instructions building charts. a4- He managed students from and understanding environmental the work software own for charts. a5- He managed Students from comp knowledge in Programming charts different . a6- He managed Students from get on me Knowledge and u languages software own for charts.
B – Objectives Marathi own By decision. B1 – Ability on me Programming charts . B2 – ability on me So face programmer in condition Design a program for charts. B3 – enable requester from Identify on me lan language charts.
modalities education and learning
-supply Students With the basics and topics the extra related with outputs thinking and analysis . -formati During Lectures to discuss themes charts that require thinking and analysis. -the demand from Students S questions thinking During Lectures like (How do – when – Why) for topics specific for charts. – give Stu 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 charts. c2- He managed requester from thinking and analysis for topics related by programming charts. c3 from thinking and analysis for topics related worn out How Action charts. c4- He managed requester from for topics related Bagial charts and develop it .
modalities Evaluation
– Exams daily with questions household solve it self. – grades sharing for questions competition Related grades specific for assignments household .

Dr – skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolu
Students vocabulary tech modern . Dr2-make up groups No stature Relations together help on me perform
positive . Dr3-Enable Students from Development subjective continuous when distance graduation. Dr4-
from passing Tests proces And professional organize from Before destinations local / regional / internatio

structure scheduled

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

structure substratum

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

plan Development scheduled scholastic

 – Accommodation courses training in area charts and used it . – Accommodation Seminars And confere
– Lectures Scientific specialized in charts hosted Masters Two pots from universities Iraqi other . – Assig
Achievement Research And studies About else developments in area charts And how Benefit from this D
education and learning .

M. Shaima Taha Ahmed

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

Enterprise educational	University Diyala / College Education the basic
Section Scientific / Center	Section Scientific Calculators
Noun / Code scheduled	Grammar data
shapes Attendees available	Is mandatory
the classroom / the year	the classroom scholastic the first / the year fourtl
number hours tuition (total)	3 * 15 = 45
Date Preparation this the description	1/ 10/ 2021

Goals scheduled

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
relationships.

7- Introducing the student to writing instructions for adding – modifying – deleting – searching – queryin

outputs scheduled and modalities education and learning and evaluation

A- Objectives Cognitive a1-Enable Students from get on me Knowledge and understanding for stages De
data via History a2-Enable Students from get on me Knowledge and understanding components Gramma
Students from get on me Knowledge and understanding for instructions building Grammar data . a4- He i
get on me Knowledge and understanding environmental the work software own rules data. a5- He manag
comprehension and knowledge in building systems . a6- He managed Students from get on me Knowledg
languages software own rules data.

B – Objectives Marathi own By decision. B1 – Ability on me building System Grammar data B2 – ability

problems that face programmer in condition Design the system B3 – enable requester from Identify on me language Grammar data . B4- Ability requester on me maintenance the system and operations add and mo me the system .

 modalities education and learning

-supply Students With the basics and topics the extra related with outputs thinking and analysis . -formati During Lectures to discuss themes Grammar data that require thinking and analysis. -the demand from St from questions thinking During Lectures like (How do – when – Why) for topics specific rules data . – gi 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 data . c2- He managed requester from thinking and analysis for topics related by programming Grammar requester from thinking and analysis for topics related worn out How Action Grammar data . c4- He man 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 grades specific for females household .

Dr – skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolu Students vocabulary tech modern . Dr2-make up groups No stature Relations together help on me perform positive . Dr3-Enable Students from Development subjective continuous when distance graduation. Dr4- from passing Tests proces And professional organize from Before destinations local / regional / internatio

structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	method educati
1-2	6	Learn basics Grammar data	basics Grammar data	diction and the lecture
3-4-5	9	Learn building and create Grammar data	building and create Grammar data	diction and interrogation
6-7-8	9	Learn on me the language software to construct Grammar data	language SQL	diction And interrogation
9-10	6	knowledge ingredients Grammar data	ingredients Grammar data	diction and interrogation
11-12	6	knowledge relations between scales a base data	relations	diction and interrogation
13-14	6	knowledge building System	building System Grammar data	diction and interrogation
15	3	knowledge How to treat the system	addition and modify and	diction And

			delete data for the system	interrogation

structure substratum	

1 books assessed required	Principles of databases Langua
2 the reviewer Main (Sources)	course vocabulary –
a books and references that recommend with it (Journals Scientific , reports ,….)	Scientific journals on the devel Reports
B – the reviewer Electronic, sites the internet ….	Internet sites Youtube lessons

plan Development scheduled scholastic
– Accommodation courses training in area Grammar data and used it . – Accommodation Seminars And Grammar data . – Lectures Scientific specialized in Grammar data hosted Masters Two pots from univers Assigned Students Achievement Research And studies About else developments in area Grammar data A 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 outcomes expected of the student to achieve, demonstrating whether he has made the most of the availabl It must be linked to the program description.**;**

Enterprise educational	University Diyala / College Education the basic
Section Scientific / Center	Section Scientific Calculators
Noun / Code scheduled	Programming entity OOP
shapes Attendees available	Is mandatory
the classroom / the year	the classroom scholastic second / year the secon
number hours tuition (total)	3 * 15 = 45
Date Preparation this the description	1/ 10/ 2021

Goals scheduled
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

A- Objectives Cognitive a1-Enable Students from get on me Knowledge and understanding for stages De
History a2-Enable Students from get on me Knowledge and understanding components OOP. a3- He mar
on me Knowledge and understanding for instructions building OOP. a4- He managed students from get o
understanding environmental the work software own for charts. a5- He managed Students from comprehe
Programmingdifferent OOP . a6- He managed Students from get on me Knowledge and understanding fo
own OOP.

B – Objectives Marathi own By decision. B1 – Ability on me ProgrammingOOP. B2 – ability on me Solu
programmer in condition Design a program OOP. B3 – enable requester from Identify on me Concept ne

modalities education and learning

-supply Students With the basics and topics the extra related with outputs thinking and analysis . -formati
During Lectures to discuss themesOOP started require thinking and analysis. -the demand from Students
questions thinking During Lectures like (How do – when – Why) for topics specific for charts. – give Stu
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
toOOP. c2- He managed requester from thinking and analysis for topics related by programming OOP. c3
from thinking and analysis for topics related worn out How Action OOP. c4- He managed requester from
for topics related Bagial OOP and its development .

modalities Evaluation

– Exams daily with questions household solve it self. – grades sharing for questions competition Related
grades specific for assignments household .

Dr – skills the public and rehabilitative movable (skills other related susceptibility recruitment and evolu
Students vocabulary tech modern . Dr2-make up groups No stature Relations together help on me perform
positive . Dr3-Enable Students from Development subjective continuous when distance graduation. Dr4-
from passing Tests proces And professional organize from Before destinations local / regional / internatio

structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	method educatio
1-2	6	Learn basicsOOP	basicsOOP	diction and the lecture
3-4-5	9	Learn building and create functions	building and create functions	diction and interrogation

6-7-8	9	Identify on me the language software OOP	language C++ with the OOP	diction And interrogation
9-10	6	knowledge ingredients OOP	ingredientsOOP	diction and interrogation
11-12	6	Learn Utilization classes	classes	diction and interrogation
13-14	6	Learn heredity classes	heredity	diction and interrogation
15	3	writing The examples The inclusive for all vocabulary the OOP	The examples	diction And interrogation

structure substratum

1 books assessed required	principles inOOP The basics Plus
2 the reviewer Main (Sources)	course vocabulary –
a books and references that recommend with it (Journals Scientific , reports ,….)	Scientific journals about dev Reports
B – the reviewer Electronic, sites the internet ….	Internet sites Youtube lesson

plan Development scheduled scholastic

 – Accommodation courses training in area OOP and its use . – Accommodation Seminars And conferenc Lectures Scientific specialized in oop hosted Masters Two pots from universities Iraqi other . – Assigned Research And studies About else developments in area OOP and how Benefit from this Development in e .

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 outcomes expected of the student to achieve, demonstrating whether he has made the most of the availabl It must be linked to the program description.**;**

Enterprise educational	College Education the basic
Section Scientific / Center	Calculators
Noun / Code scheduled	Design Logical
shapes Attendees available	Is mandatory

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

Goals scheduled
Introducing the student to computer digital systems and the codes used
Introducing students to logical gates and their operation.
3- Introduce the student to Karnaugh diagrams.
Introducing students to different electronic circuits.
Introducing students to sequential logical electronic circuits.
Introducing students to registers and counters.

outputs scheduled and modalities education and learning and evaluation
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding for system from System for another . a2- Tamkeen Students from get on me Knowledge and understanding for gates it. a3- Empowerment Students from get on me Knowledge and understanding to knock simplistic used ch Empowerment Students from get on me Knowledge and understanding for circles Logical different . a5- from get on me Knowledge and understanding for circles Logical sequential and its uses. a6- Empowerm 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 co B2 – ability on me building and installation portals Logical . B3 – Enable requester from simplistic using 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 Sub 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 objectivity and frying pan
C- Objectives Sentimental and value c1- That explains And he analyzes evidence for design Logical . c2- systems digital And the codes different . c3- He resides Some texts and information About Design Calcul 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 F 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 evolu used Students vocabulary technological modern Dr2- make up groups to set up Relations together help So Dr3- He managed Students from Development subjective continuous when distance graduation . Dr4- He passing Tests proces And professional organize from Before destinations local / regional / international

structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	method education
1	3	Learn systems digital	systems digital	Discussion and interrogation
2	3	Learn Codes used	Codes	Discussion and interrogation
3	3	Learn portals Logical	portals Logical	Discussion and interrogation
4	3	knowledge Algebra Logical	Algebra Logical	Discussion and interrogation
5	3	knowledge Methods simplification portals Logical	charts Karnoff	Discussion and interrogation
6	3	Exam the month the first		
7	3	knowledge portals vehicle and circles e	portals vehicle	Discussion and interrogation
8	3	knowledge circles Plural and subtraction and comparator	portals vehicle	Discussion and interrogation
9	3	knowledge circles Logical sequential	circles Logical sequential	Discussion and interrogation
10	3	knowledge Species Hoppers	HoppersFlip-Flop	Discussion and interrogation
11	3	knowledge registry And its types	registry	Discussion and interrogation
12	3	knowledge Counters	Counters	Discussion and interrogation

13	3	knowledge State Diagram and FSA	State Diagram and FSA	Discussion and interrogation
14	3	knowledge RAM and ROM	RAM and ROM	Discussion and interrogation
15	3	Exam the month The second		

structure substratum	
readings required texts the basic books scheduledother	Fundamental Logic
requirements Especially	Accommodation courses Training in area uses the computer and .Accommodation courses training to use the network arachnoidA Seminars and conferences Scientific and cultural
a books and references that recommend with it (Journals Scientific , reports ,….)	Benefit from periodicals and resources related to the course
B – the reviewer Electronic, sites the internet ….	Benefit from the international information network as well-know

plan Development scheduled scholastic

 1. Work on me Polarization Masters from universities other to throw Lectures Scientific specialized Tec
assignment Students Achievement Research study field what suffer language anti from problems social A
Solutions effective for those the problems and tackle phenomena that He suffers Of which They studied t

Mother. Intisar Yassin Khudair

Course description form
Course description

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

Enterprise educational	College Education the basic
Section Scientific / Center	Calculators
Noun / Code scheduled	the theory reckoning
shapes Attendees available	Is mandatory
the classroom / the year	the classroom scholastic first / year the second
number hours tuition (total)	3 * 15 = 45 hours

Date Preparation this the description	1/ 10/ 2021
Goals scheduled	
Introducing students to the concept of computational theory	
Introducing students to logical gates and their operation.	
3- Introduce the student to Karnaugh diagrams.	
Introducing students to different electronic circuits.	
Introducing students to sequential logical electronic circuits.	
Introducing students to registers and counters.	
outputs scheduled and modalities education and learning and evaluation	
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding for system from System for another . a2- Tamkeen Students from get on me Knowledge and understanding for gates it. a3- Empowerment Students from get on me Knowledge and understanding to knock simplistic used ch Empowerment Students from get on me Knowledge and understanding for circles Logical different . a5- from get on me Knowledge and understanding for circles Logical sequential and its uses. a6- Empowerm 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 co B2 – ability on me building and installation portals Logical . B3 – Enable requester from simplistic using 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 Su 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 objectivity and frying pan	
C- Objectives Sentimental and value c1- That explains And he analyzes evidence for design Logical . c2- systems digital And the codes different . c3- He resides Some texts and information About Design Calcul 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	

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 evolu
used Students vocabulary technological modern Dr2- make up groups to set up Relations together help So
Dr3- He managed Students from Development subjective continuous when distance graduation . Dr4- He
passing Tests proces And professional organize from Before destinations local / regional / international

structure scheduled

the week	hours	outputs learning required	Noun Unit / or Topic	method education
1	3	Learn systems digital	systems digital	Discussion and interrogation
2	3	Learn Codes used	Codes	Discussion and interrogation
3	3	Learn portals Logical	portals Logical	Discussion and interrogation
4	3	knowledge Algebra Logical	Algebra Logical	Discussion and interrogation
5	3	knowledge Methods simplification portals Logical	charts Karnoff	Discussion and interrogation
6	3	Exam the month the first		
7	3	knowledge portals vehicle and circles e	portals vehicle	Discussion and interrogation
8	3	knowledge circles Plural and subtraction and comparator	portals vehicle	Discussion and interrogation
9	3	knowledge circles Logical sequential	circles Logical sequential	Discussion and interrogation
10	3	knowledge Species Hoppers	HoppersFlip-Flop	Discussion and interrogation
11	3	knowledge registry And its types	registry	Discussion and interrogation
12	3	knowledge Counters	Counters	Discussion and interrogation
13	3	knowledge State Diagram and FSA	State Diagram and FSA	Discussion and interrogation

14	3	knowledge RAM and ROM	RAM and ROM	Discussion and interrogation
15	3	Exam the month The second		

structure substratum	
readings required texts the basic books scheduledother	Fundamental Logic
requirements Especially	Accommodation courses Training in area uses the computer and .Accommodation courses training to use the network arachnoidA Seminars and conferences Scientific and cultural
a books and references that recommend with it (Journals Scientific , reports ,….)	Benefit from periodicals and resources related to the course
B – the reviewer Electronic, sites the internet ….	Benefit from the international information network as well-know

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

Mother. Intisar Yassin Khudair

Course description form
Course description

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

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

Introduce students to the concept of operating systems.
Introducing students to multiple processing systems.
3- Introduce students to distributed systems.
Introducing students to the structure of operating systems
Introduce the student to the components of the operating system.
Introducing the student to the operating system services.

outputs scheduled and modalities education and learning and evaluation
A- Objectives Cognitive a1- Tamkeen Students from get on me Knowledge and understanding systems E Tamkeen Students from get on me Knowledge and understanding systems processing multi. a3- Empowe on me Knowledge and understanding to structural System Employment. a4- Empowerment Students fron and understanding components System Employment . a5- Empowerment Students from get on me Knowl for services System Employment . a6- Empowerment Students from get on me Knowledge and understan Administration memory .
B – Objectives Marathi own By decision. B1 – Ability on me deal With Organized Employment B2 – abi 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 Su Before Mr. Subject 3. Claim Students visit the library examining on me Sources study Organized Employ
modalities Evaluation
1. Tests daily with questions specific 2. Lay grades for assignments household and posts class . 3. Tests n objectivity and frying pan
C- Objectives Sentimental and value c1- That explains And he analyzes evidence for design Logical . c2- systems digital And the codes different . c3- He resides Some texts and information About Design Calcul 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 H 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 evolu used Students vocabulary technological modern Dr2- make up groups to set up Relations together help Sc Dr3- He managed Students from Development subjective continuous when distance graduation . Dr4- He

		passing Tests proces And professional organize from Before destinations local / regional / international		
		structure scheduled		
the week	hours	outputs learning required	Noun Unit / or Topic	method education
1	3	Learn Concept Organized Employment	Organized Employment	Discussion and interrogation
2	3	Learn Organized processing multi	system processing multi	Discussion and interrogation
3	3	Learn Species Organized Employment	Species Organized Employment	Discussion and interrogation
4	3	knowledge Structural System Calculator	Structural System Calculator	Discussion and interrogation
5	3	knowledge Structural System Employment	Structural System Employment	Discussion and interrogation
6	3	Exam the month the first		
7	3	knowledge ingredients Organized Employment	ingredients Organized Employment	Discussion and interrogation
8	3	knowledge services Organized Employment	services Organized Employment	Discussion and interrogation
9	3	knowledge Concept processing	Concept processing	Discussion and interrogation
10	3	knowledge instruction during processing	Implementation of instruction	Discussion and interrogation
11	3	knowledge scheduler Alone processing central	scheduler Alone processing central	Discussion and interrogation
12	3	knowledge Administration memory	Administration memory	Discussion and interrogation
13	3	knowledge Administration storage	Administration storage	Discussion and interrogation
14	3	knowledge protection And the security	protection And the security	Discussion and interrogation
15	3	Exam the month The second		

structure substratum	
readings required texts the basic books scheduledother	There is no decision
requirements Especially	Accommodation courses Training in area uses System Employmer Calculator .Accommodation courses training to use the network arachnoidAccommodation Seminars and conferences Scientific an
a books and references that recommend with it (Journals Scientific , reports ,….)	Benefit from periodicals and resources related to the course
B – the reviewer Electronic, sites the internet ….	Benefit from the international information network as well-known

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