Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic Accreditation
Accreditation Department

Academic Program and Course Description Guide

Academic Program and Course Description Guide

University name: Tikrit

Faculty/institute : College of Education – Tuzkhurmatu

Scientific Department: Department of Mathematics

Academic or Professional Name : Bachelor of Mathematics

Final Certificate Name : Bachelor of Mathematics

Academic System: Yearly

Description Preparation Date : 2024-2025

File Completion Date: 26/1/2025

the signature   the signature

Name: Dr. Samah Hussein Asaad Turk   Name: Dr. Ali Akram Musa

Head of Department   Scientific Associate

Date: 2025/1/27   Date:2025/1/27

Check the file by:

Quality Assurance and Performance Evaluation Division

Name of the Director of the Quality Assurance and Performance Evaluation Division :

Ali Salah Zein El Abidine

Date: 2025/1/27

Approval from the college dean

 Prof. Dr. Nihad Ali Shafiq

        2025/1/29

1. Program vision

Raising the level of performance in the fields of algebra, numerical analysis, mathematical analysis, functional analysis, probability, number theory, topology, differential equations and geometry, with the necessity of taking into consideration keeping pace with the development witnessed by the higher education renaissance by providing the best services and equipment for academic cadres of faculty members, providing training and development opportunities for technicians and administrators, and graduating job creators instead of job seekers by qualifying them in the pre-graduation and basic education stages on the skills of research, development, innovation, the spirit of initiative and entrepreneurship, and involving students in everything that would develop their skills and help them to be creative and innovative, not just concerned with presentation, and transforming knowledge into wealth through research, development and innovation.

2. Program message

Graduating qualified students who possess scientific logical thinking and scientific research skills in science. The department provides the best modern scientific techniques for educational services for students in the university and higher education stage, and works to develop skills that enable them to integrate into all fields accurately and effectively. It supports the scientific research movement and cognitive interaction in order to continuously communicate with scientific and cultural development in the world, and meets the renewed needs of society in a way that achieves comprehensive and sustainable human development and enables national, regional and global competition and transforms knowledge into wealth through research, development and innovation and increases the role of partnerships between research, development and innovation in universities on the one hand and between production and service institutions on the other hand. Meeting the country's need for competent and qualified scientific cadres to be leaders of the future in the field of education, by preparing the appropriate scientific environment for scientific and skill growth and offering high-quality academic programs that keep pace with modern developments.

3. Program objectives

1- Preparing specialized cadres to support educational and teaching institutions.

2- That the student is able to employ the knowledge he received.

3- That the student is able to benefit from the knowledge and how to employ it.

4- That the student acquires the skill of teaching and education.

5- That the student is able to embody the knowledge he has acquired and develop it in

the profession he is pursuing.

6- Graduating qualified students to complete their postgraduate studies (Masters - PhD) in various specializations of physics.

4-Program Accreditation

Ministry of Higher Education and Scientific Research

5- Other external influences

6- Program structure

Program Structure	Number of courses	Study unit	percentage	comments
Institutional Requirements	**5**	**12**	**7%**	**essential**
College Requirements	**12**	**50**	**29%**	**essential**
Department Requirements	**21**	**110**	**64%**	**essential**
Summer training				
Other				

Notes may include whether the course is basic or optiona.

7- Program description

Year/Level	Course code	name Course	Credit hours	
			theoretical	practical
The first	Math101	Foundations of Mathematics	2	2
The first	Math100	calculus	3	2
The first	Math102	Linear algebra	2	2
The first	Math103	General Physics	2	
The first	CREQ100	Foundations of education	1	
The first	UREQ103	Computer Science		2
The first	UREQ102	Human rights	1	
The first	UREQ101	Arabic	1	
The first	CREQ101	Educational Psychology	2	
The first	MUR101	English	1	

8. Expected learning outcomes of the program

Knowledge

1The student should remember the information and laws given in the curriculum. 2The student should understand the curriculum topics and the mathematical problems related to them. 3The student should be able to apply what he has learned in solving mathematical problems. 4The student should be able to analyze the text of the question and arrange the information to benefit from it in the solution and obtain correct results. 5The student should compose problems related to the curriculum topics and then reach a correct solution. 6The student should have ideas about the curriculum material and know how to derive the appropriate laws to solve it.	**Cognitive objectives**

Skills

-Learn about modern teaching methods and techniques	**General and qualifying skill objectives**

-Know everything new in the field of physics to keep pace with the rapid development in this specialty **-Hold scientific exhibitions, seminars and workshops**	
*Teaching skill in mathematics ***The student should have the ability to employ practical skill in analyzing information and logical inference** ***The student should have the ability to link causes to effects**	**Program skill objectives**
Values	
Innovation and continuous improvement. Competing in the education industry and adhering to standards of excellence	**Educational values**
9- Teaching and learning strategies	
* The recitation method *The lecture method *Practical application in laboratories *Discussion and dialogue *Flipped learning	
10- Evaluation methods	
*Weekly reports *Practical tests *Weekly, monthly and annual tests *Graduation research * Field visits	

11. Faculty

Faculty members

Academic Rank	Name	Specialization		Spectral Requirements s/Skills (if applicable)	Numbers of teaching staff	
		General	Spectral		staff	lecturer
Assist.Prof.Dr.	Reem Omran Rasheed	Mathematical sciences	Nodal analysis		✔	
Dr.	Samah Hussein Asaad	Mathematical sciences	Algebra		✔	
Dr.	Ibrahim Saleh Ahmed	Mathematical sciences	Real analysis		✔	
Dr.	Zainab Ali Jaafar	Mathematical sciences	Organize		✔	
	Dheyab Thair Noori	Physics sciences	Physics materials			✔
	Nihad Abdullah Mahmoud	Islamic history	History of Andalusia		✔	
	Ali Salah Zein El Abidine	Physical education and sports	Sports management		✔	
Assist.Prof.Dr.	Ihsan Abdil Aziz Abdel Rahim	Life sciences	Plants			✔
	Ibrahim Ismail Jassim	Arabic	Literature/modern literature and its language			✔
	Kamran Adel Ibrahim	Computer Science	For			✔
	Haifa Farouk Karim	Recent history	History of Türkiye		✔	
	Ha Kar Yusuf Yunus	Applied mathematics	Applied mathematics		✔	
	Farah Sabah Khalaf	Computer science	Computer science		✔	

	Ali Al-Hadi Khalil Ismail	Electrical and computer engineering	Electrical machines and computers		✓	
	Wissam Mazharal	Jurisprudence and its principles	Comparative jurisprudence			✓

Professional development

Orientation of new faculty members

New, visiting, full-time and other faculty members are guided by integrating them with experienced faculty members to provide them with the skills required in the teaching strategies adopted within the educational program and continuous monitoring of the development of their cognitive level and the extent to which they have acquired the skills required for the scientific material, in addition to the central courses held at the institution and college levels.

Professional development for faculty members

The plan and arrangements for academic and professional development of faculty members include setting an annual plan for professional development such as preparing an annual research plan for each faculty member, as well as seminars, workshops, scientific courses and activities that serve the community. It also includes developing a teaching and learning strategy through modern teaching methods such as brainstorming, group work, discussion strategy, discovery learning and inductive teaching strategy, to obtain learning outcomes whose efficiency can be evaluated and measured through approved tests within the approved program. The learning and professional development outcomes are evaluated through the evaluation of the faculty member by the head of the department, as well as a questionnaire distributed to students in coordination with the Quality Division in the college and under the supervision of the Quality Department at the university.

12-Acceptance criteria.
Central admission
13-The most important sources of information about the program.
Ministry of Higher Education and Scientific Research
14- Program development plan
1- Forming committees in the scientific department whose mission is to follow up on the program and conduct a comprehensive review and any new developments.   2- Surveying students' opinions at the end of each semester about the academic program.   3-Surveying faculty members' opinions at the end of each semester about the best ways to develop the courses and their teaching methods.   4-Coordinating with the Quality Department at the university to follow up on the implementation of the academic program in the department.   5- Conducting a comprehensive review of the program.

*Please tick the boxes corresponding to the individual learning outcomes of the programme being assesse.

/Year Level	Course Code	Course name	Essential or option?al	Knowledge				Skills				values			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
The First Year	Math101	Foundations of mathematics	essential	*	*	*	*	*	*	*		*	*	*	*
	Math100	calculus	essential	*	*	*	*	*	*	*	*	*	*	*	*
	Math102	Linear algebra	essential	*	*	*	*	*	*	*		*	*	*	*
	Math103	General physics	essential	*	*	*	*	*	*	*	*	*	*	*	*
	CREQ100	Fundamentals of education	essential	*	*	*	*	*	*	*	*	*	*		*
	UREQ103	Computer (practical)	essential	*	*	*	*	*	*	*	*		*	*	*
	UREQ102	Human rights	essential	*	*	*	*	*	*	*	*	*	*	*	*
	UREQ101	Arabic	essential	*	*	*	*	*	*	*		*	*		*
	CREQ101	Educational psychology	essential	*	*	*	*	*	*	*	*	*	*	*	*
	MUR101	English	essential	*	*	*	*	*	*	*		*	*	*	

Program skills chart

Learning outcomes required from the programme

Course Description Form

1. Course Name:
Foundations of Mathematics

2. Course Code:
Math101

3. Semester / Year:
Yearly

4. Description Preparation Date:
2025/1/23

5. Available Attendance Forms:
Weekly

6. Number of Credit Hours (Total) / Number of Units (Total)
4/6

7. Course administrator's name (mention all, if more than one name)
Assist. Prof. Dr. Reem Imran Rasheed Email: reemamran@tu.edu.iq

8. Course Objectives

Course Objectives	Providing students with general information about the basic concepts of Foundations mathematics.

9. Teaching and Learning Strategies

Strategy	

10. Course Structure

Week	Hours	Unit or subject name	Required Learning Outcomes	Learning method	Evaluation method
1	4	**Mathematical logic**			
2	4	**Logical equivalence**			

3	4	Algebra of statements			
4	4	Quantifiers			

5	4	Mathematical Proof			
6	4	Algebra of Sets			
7	4	Complement of a set			
8	4	Power Set			
9	4	Relations			
10	4	Domain and range of a relation			
11	4	Composition of relations			
12	4	Types of relations			
13	4	Equivalence classes			
14	4	Partial ordered relations			
15	4	Totally ordered sets			
16	4	Well ordered sets			
17	4	Mappings			
18	4	Types of mappings			
19	4	Composite mappings			
20	4	Inverse mapping			

21	4	**Direct images under mapping**			
22	4	**The inverse images under mapping**			
23	4	**order preserving mappings and isomorphism**			

24	4	**Potency of sets**			
25	4	**Arithmetic on cardinal numbers**			
26	4	**Ordinal numbers**			
27	4	**The Natural numbers**			
28	4	**Arithmetic of the natural numbers**			
29	4	**Binary Operations and Semi group**			
30	4	**Groups and Finite groups**			

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	اسس الرياضيات تاليف د. هادي جابر د. نادر جورج د. رياض شاكر نعوم
Main references (sources)	ete Mathematics Demystified by steven G. Krantz , 2009 -1 Foundations Concepts of Modern Mathematics by Max D.Larsen Discrete Mathematics – Schaums Outline by S.Lipschutz and M. Lipson , 2007 screte Mathematics and its Applications by Kenneth H. Rosen , 2007
Recommended books and references (scientific journals, reports…)	---------

Electronic References, Websites	**Google Scholar**

Course Description Form

1. Course Name:
Calculus

2. Course Code:
Math100

3. Semester / Year:
2024-2025

4. Description Preparation Date:
12-11-2023

5. Available Attendance Forms:
Classroom and Google classroom

6. Number of Credit Hours (Total) / Number of Units (Total)
(150 hour per year) / Number of Units (8 units)

7. Course administrator's name (mention all, if more than one name)
Name: Ibrahim S. Ahmed Email: ibrahim1992@tu.edu.iq

8. Course Objectives

Course Objectives	**Identify the concept of calculus , set and interval define the function and the types of function ,domain and range the graph of the function ,limit ,continuity, derivative integral, method of find the integral, area under graph ,applicaton of integral, polare coordinate.**

9. Teaching and Learning Strategies

Strategy	**Brainstorming** **Feedback at lecture time** **Collaboration and feedback series**

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	5		introduction to sets and interval define the function	Explanation by using the board	Quick test Homework
2	5		**Absolute value**	=	=
3	5		Domain and range of the function	=	=

4	=		Types of function and its operation	=	=
5	=		Graph of the function		
6	=		Trigonometric functions and its inverse	=	=
7	=		Hyporbilic and the invers hyporbilic function	=	=
8	=		Limit of function	=	=
9	=		Theorem of limits	=	=
10	=		Continuous	=	=
11	=		Definition of Derivative	=	=
12	=		Derivative of Trigonometric Functions	=	=
13	=		Derivative of Inverse of Trigonometric Functions	=	=
14	=		Exponential Function	=	=
15	=		Application of Derivative	=	=
16	=		Area under curve	=	=
17	=		Indefinite integral	=	=
18	=		Theorem of Indefinite integral	=	=
19	=		definite integral	=	=
20	=		Foundations theorem of integral	=	=
21	=		Properties of definite integral	=	=
22	=		Methods of integral	=	=
23	=		Integral of exponential function	=	=
24	=		Integral of Trigonometric functions	=	=
25	=		Integral of Hyperbolic Functions	=	=
26	=		Area an volume	=	=

27	=		Polar coordinate		=	=
28	=		Types of function in polar coordinate		=	=
29	=		Graph of function in polar coordinate		=	=
30	=		Area in polar coordinate		=	=

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, dailyoral, monthly, or written exams, reports .... etc (50) and (50) final exam.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Thomas calculus
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

<p style="text-align:center">Course Description Form</p>

1. Course Name:
Linear algebra
2. Course Code:
Math102
3. Semester / Year:
Yearly
4. Description Preparation Date:
2025/1/22
5. Available Attendance Forms:
Classroom and e-classroom
6. Number of Credit Hours (Total) / Number of Units (Total)
120 hours per year / Number of units (6)
7. Course administrator's name (mention all, if more than one name)

Names: Assist. Prof. Dr. Zainab Ali Jaafar.   Emails: **zainabali611@tu.edu.iq**
        Hakar yousf youns   **mailto:hakar.youssef.tuz@tu.edu.iq**

8. Course Objectives

1- Introduce the student to the basic principles of linear algebra, which enters all fields of mathematics and its applications and enters the applications of engineering and all science departments.
2- Students acquire skills that enable them to teach the subject of mathematics.
3- Acquiring mental skills and thinking in sports.
4- Introduce students to the importance of sports science.

9. Teaching and Learning Strategies

Strategy	- Giving lectures and using textbooks
	- Solving problems related to the subject matter
	- Writing scientific reports and analysing data
	- Using e-learning in teaching according to the available possibilities
	- Self-learning method
	- Brainstorming
	- Lecture time feedback
	- Collaboration and feedback loop

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Introducing Vectors, Vector Operations, and Vector Proofs	Vectors, vector operations, and related proofs.	Blackboard/Data Show	Daily exams. Homework as well as monthly and final exams
2	4	introducing vector spaces	vector spaces	=	=
3	4	Introducing Partial Spaces	Partial spaces	=	=
4	4	Solving Exercises	Exercises and discussion	=	=
5	4	Introduce students to some of the proofs of linear independence	Linear independence	=	=
6	4	Solving Exercises	Exercises and discussion	=	=
7	4	Introducing the Student to the Basis of Vector Space.	the basis of vector space	=	=
8	4	Introducing the Student Dimension of Vector Space.	the dimension of vector space	=	=
9	4	Solving Exercises	Exercises and discussion	=	=
10	4	Introduction to Orthogonal Normal Bases in **Rn**	Orthogonal Normal Bases in **Rn**	=	=
11	4	Introduction to Linear Transformations.	Linear Transformations	=	=
12	4	Solving Exercises	Exercises and discussion	=	=
13	4	Introducing the Kernel and Range of Linear Transformation	Kernel and Rnge of Linear Transform	=	=
14	4	Solving Exercises	Exercises and discussion	=	=

15	4	Introducing the Linear Transformation Matrix and Related Proofs .	Linear Transformation Matrix and Related Proofs	=	=
16	4	Solving Exercises	Exercises and discussion	=	=
17	4	Introducing Matrix Rank and its Applications.	Matrix Rank and its Applications	=	=
18	4	Solving Exercises	Exercises and discussion	=	=
19	4	Introducing the concept of eigenvalue and eigenvector of a matrix.	the concept of eigenvalue and eigenvector of a matrix	=	=
20	4	Introduction Methods for Finding the Characteristic Polynomials of a Square Matrix.	Finding the Characteristic Polynomials of a Square Matrix	=	=
21	4	Solving Exercises	Exercises and discussion	=	=
22	4	Introduce students to methods of finding the distinctive equation.	Distinctive equation	=	=
23	4	Introducing Similar Matrices.	Similar Matrices.	=	=

24	4	Introducing Diagonalisable Matrices	diagonalisable matrices	=	=
25	4	Solving Exercises	Exercises and discussion	=	=
26	4	Introducing Symmetric Matrix Diagonals with Related Proofs.	Symmetric Matrix Diagonals with Related Proofs	=	=
27	4	Solving Exercises	Exercises and discussion	=	=
28	4	Introducing Applications in Linear Algebra, Linear Programming.	Applications in Linear Algebra, Linear Programming	=	=

29	4	Introducing Geometric Solution, Simplified Method.	Geometric Solution, Simplified Method	=	=
30	4	Introducing the values and characteristic vectors of a linear effect and how to calculate them.	the characteristic values and vectors of a linear effect and how to calculate them.		

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	1- **Introduction to linear algebra with applications. Dr: Adel Ghassan and Dr Basil Al-Hashimi.** 2- **Linear Algebra by . Dr.: George Sebti**
Main references (sources)	3- **Linear Algebra by: Yahya Abdul Saad and Dr. Nizar Hamdoun** - **Key References (Sources)** **linear Algebra Hohn** -**Finite dimensional vector spaces by P. R. Halmos, Springer 1974**
Recommended books and references (scientific journals, reports...)	-**Linear Algebra by K. Kunze,Prentice Hall1971**
Electronic References, Websites	**Google Scholar**

Course Description Form

1. Course Name:
General physical

2. Course Code:
Math103

3. Semester /
Year:2025/2024

4. Description Preparation Date:

5. Available Attendance Forms:

6. Number of Credit Hours (Total) / Number of Units (Total)
2 hours in week and 60hours in years

7. Course administrator's name (mention all, if more than one name)
Name: Dheyab thair noori Email: theya.bthair.tuz@tu.edu.iq

8. Course Objectives

Course Objectives	
The student should be able to know the standard and directional quantities	
The student should be able to know the motion of objects	
The student should be able to know Newton's laws	
The student should be able to know semiconductors	
The student should be able to kno reflection and refraction	

9. Teaching and Learning Strategies

Strategy	Giving printed material to students
	Surprise questions to students
	Daily tests

	Monthly tests	
	Using the smart board	

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
		Properties of Confrontations			
		Product			
		Dot			
		Product			
		Directional			
		Motion of objects on			
		Straight Line			
		Motion of objects on			
		Y-axis			
		Projectiles			

		Newton's Laws			
		Semiconductors			
		Reflection and Refraction			
		Sound			

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	Unique location in physics

Course Description Form

13.	Course Name:
Foundations of education	

14.	Course Code:
CREQ100	

15.	Semester / Year:
Annual	

16.	Description Preparation Date:
2025/1/25	

17.Available Attendance Forms:
Classroom and electronic classroom

18.Number of Credit Hours (Total) / Number of Units (Total)
60 hours

19.	Course administrator's name (mention all, if more than one name)
Name: Ali Salah Zein El Abidine Email: ali.salah.tuz@tu.edu.iq	

20. Course Objectives

Course Objectives	• **Definition of soil** • **Distinctive characteristics of** • **soil targets** • **The importance of soil…..**

21. Teaching and Learning Strategies

Strategy	Brainstorming Feedback at lecture time Collaboration and feedback Series

22. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18		1	Enabling the individual to rely on himself Integrative process/indi dual and group process History educational thought/edu tion ancient civilizations Ancient Chinese civilization/a cient Egyptians Education in the Middle Ages Church contr Political organization Social organization Ethnic and religious persecution Education in the moder era The relationship between education an society Philosophica foundations education	Lecture and discussi	Discussi and exchang of opinion:

23.	Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc

24. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

25.	Course Name:
Computer Science 1	

26.	Course Code:
UREQ103	

27.	Semester / Year:
Year	

28.	Description Preparation Date:
January 25, 2025	

29.Available Attendance Forms:
In-person

30.Number of Credit Hours (Total) / Number of Units (Total)
30 hours / 60 units

31.	Course administrator's name (mention all, if more than one name)

Names: kamaran Adil Ibrahim   Emails: kamaran_zm@tu.edu.iq
   Farah Sabah Khalaf   farah.sabah@tu.edu.iq
   Ali Al-Hadi Khalil Ismail   ali.khalil.tuz@tu.edu.iq
   Wissam mazhar Shallal wissam.shallal122@tu.edu.iq	

32.	Course Objectives
Course Objectives	(1) Preparing and qualifying specialists to meet the requirements the labor market in both the public and private sectors diversifying learning and teaching methods and training students to apply acquired knowledge and skills to solve real-world problems. (2) Creating a suitable environment for students, enabling them to apply their acquired knowledge and skills to identify needs and problems of society and social issues related computers and information technology. (3) Offering distinguished academic programs in the field of computers, covering both theoretical and practical aspects, in line with international standards of academic quality and meeting the needs of the labor market. (4) Encouraging and developing scientific research in the field of computers in general and in the area of office software (Office) in particular. (5) Developing scientific and technical capabilities in educational laboratories and providing all necessary supplies. (6) Providing specialized laboratories for scientific research equipped with scientific resources to enable faculty members enhance their capabilities. (7) Working to publish scientific and high-quality articles and

		publications that keep pace with the global development of information technology. (8) Organizing specialized scientific conferences.

33.   Teaching and Learning Strategies

Strategy	1. Traditional whiteboard 2. Television 3. Data projector

34. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	General introduction and phases of the computer life cycle	Unit 1	Theoretical	General questions and discussion
2	2	Evolution of computer generations	Unit 1	Theoretical	General questions and discussion
3	2	Electronic computer, data, and information	Unit 1	Theoretical	General questions and discussion
4	2	Advantages of computers and their fields of use	Unit 1	Theoretical	General questions and discussion
5	2	Components of a computer	Unit 1	Theoretical	General questions and discussion
6	2	Types of computers	Unit 1	Theoretical	General questions and discussion
7	2	Computer components and hardware parts	Unit 2	Theoretical	General questions and discussion
8	2	Input and output devices	Unit 2	Theoretical	General questions and discussion
9	2	Computer case (system unit)	Unit 2	Theoretical	General questions and discussion
10	2	Software entity	Unit 2	Theoretical	General questions and discussion
11	2	Number systems in computers	Unit 2	Theoretical	General questions and discussion
12	2	Your personal computer	Unit 2	Theoretical	General questions and discussion
13	2	Computer platform	Unit 2	Theoretical	General questions and discussion
14	2	Factors to consider when buying a computer	Unit 2	Theoretical	General questions and discussion
15	2	Key features of personal computers	Unit 2	Theoretical	General questions and discussion
16	2	Ethics of the digital world and computer	Unit 3	Theoretical	General questions and discussion

		security			
17	2	Privacy, software licenses, and types of computer licenses	Unit 3	Theoretical	General questions and discussion
18	2	Intellectual property and electronic hacking	Unit 3	Theoretical	General questions and discussion
19	2	Malicious software	Unit 3	Theoretical	General questions and discussion
20	2	Steps to protect computers and their health risks	Unit 3	Theoretical	General questions and discussion
21	2	Definition and functions of the operating system	Unit 4	Theoretical	General questions and discussion
22	2	Objectives and classification of operating systems	Unit 4	Theoretical	General questions and discussion
23	2	Examples of some operating systems	Unit 4	Theoretical	General questions and discussion
24	2	Folders and files	Unit 4	Theoretical+ Practical	General questions and discussion
25	2	Icons	Unit 4	Theoretical + Practical	General questions and discussion
26	2	Performing operations on windows	Unit 4	Theoretical + Practical	General questions and discussion
27	2	Desktop backgrounds	Unit 4	Theoretical + Practical	General questions and discussion
28	2	Control Panel	Unit 4	Theoretical + Practical	General questions and discussion
29	2	Some common cases and settings in computers	Unit 4	Theoretical + Practical	General questions and discussion
30	2	Important keyboard shortcuts	Unit 4	Theoretical + Practical	General questions and discussion

35. Course Evaluation

Participation in lectures, daily, midterm, and final exams, and discussions.

36. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Basics of Computers and Office Applications (Part 1)
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	

Course Description Form

1.	Course name:
Human rights and democracy	
2.	Course code:
UREQ102	
3.	Semester/Year: Annual
2024–2025	
4.	Date this description was prepared
2024–11–20	
5. Available forms of attendance:	
My presence	
6. Number of study hours (total) / Number of units (total):	
60 / 2	
7. Name of the course supervisor (if more than one name is mentioned)	
Email:haifafarouk@tu.edu.iq	
8. Course objectives	
5.	Subject objectives

Preparing a generation aware of human rights and public freedoms *** Developing the cultural level and increasing awareness among students by keeping up with the experiences of other nations in the field of human rights.** *** Informing students about the most important international charters, treaties and instruments related to human rights.** *** Informing students of the constitutional articles guaranteeing public rights and freedoms. Educating students about their rights and freedoms, the means of guaranteeing and protecting them, and the limits of these rights.** *** Enabling students to understand the importance of education and its role in spreading the culture of human rights and democracy in building a civilized** **society based on good governance, one of the most important components of which is belief in human rights and education on them.** *** And effective participation in governance through free and fair elections.** *** Developing the student's analytical and critical skills regarding the reality and** **future of human rights and democracy.**	

Teaching and learning strategies	
1 -Lecture method - 2 Student groups 3workshops 4 -Reports and studies 5 -Use available means of clarification in topics that require it – 6 –Attendance 7 Use the role-playing method in the classroom (or in person only) to address and explain some of the material's vocabulary. - 8 Writing analytical papers on the vocabulary of the subject or outside it that are directly related to the topics of human rights and democracy	Strategy

Course structure

10.	Course structure				
The week	Watches	Learning outcomes Required	Name of the unit or topic	Learning method	Evaluation method
1	2	Concept and importance	1. Human rights in ancient civilizations	Questions and answers	Questions and answers
2	2	Concept and importance	2. Human rights in divine laws and religions	Oral questions	Oral questions
3	2	Concept and importance	3. Human rights in Islam	Daily test	Daily test
4	2	Concept and importance	4. Human rights sources	Questions and answers	Questions and answers

5	2	**Concept and importance**	**5. Principles governing human rights**	**Written exam**	**Written exam**
6	2	**Concept and importance**	**6. Human rights classifications**	**Questions and answers**	Questions and answers
7	2	**Concept and importance**	**7. Characteristics of human rights**	**interrogation**	**interrogation**
8	2	**Concept and importance**	**8 Constitutions that followed the French Declaration**	**Discussion**	**Discussion**
9	2	**Concept and importance**	**9. The principle of the rule of law**	**interrogation**	**interrogation**
10	2	**Concept and importance**	**10. Regional protection of human rights**	**Questions and answers**	**Questions and answers**
11.2	2	**Concept and importance**	**11. African system for the protection of human rights**	**Questions and answers**	**Questions and answers**

12.	2	Concept and importance	12. Mechanisms for protecting human rights at the American level	Oral questions
13.	2	Concept and importance	13. Arab Charter on Human Rights	Daily test
14.	2	Concept and importance	14 Arab Charter on Human Rights	Questions and answers
	2	Concept and importance	15 Principles of Human Rights	Written exam
16.	2	Concept and importance	16. Roots of the concept of democracy and its development	Questions and answers
17.	2	Concept and importance	17. Definition of the concept of democracy	Interrogation
18.	2	Concept and importance	18. Forms of direct democracy	Discussion
19.	2	Concept and importance	19. Indirect democracy	interrogation
20.	2	Concept and importance	20. Representative democracy	Questions and answers
21.	2	Concept and importance	21. The Prosecution Council	Questions and answers
22.	2	Concept and importance	22. The concept of election and its legal adaptation	Oral questions
	2	Concept and importance	23. Majority system and proportional representation system	Daily test
24.	2	Concept and importance	24 Interest Representation System - Optional and Compulsory Voting	Questions and answers
25.	2	Concept and importance	25.Monthly exam	Written exam

Course Description Form

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, proving whether he or she has made the most of the available learning opportunities..

Tuz Khurmatu College of Education	**1. Educational institution**
Arabic Language	**2. Scientific Department / Center**
Modern Arabic poetry	**4. Course Name/ Code** **UREQ101**
Official working hours	**4. Available Attendance Forms**
Fourth stage	**5. Semester / Year**
(20) Hours	**6. Number of Credit Hours (Total)**
12/11/2024	**7. The history of preparation of this description**

8. Course Objectives

1. Developing the spirit of pride in the Arabic language .

2. Develop students' language skills.

3 Broadening students' horizons on improving the faculty of speaking standard Arabic, in official speeches.

4. Upgrading the level of linguistic, morphological and rhetorical students.

- **Cognitive goals**

1- The student acquires new knowledge about the language.

2- Qualifying students to obtain knowledge and understanding of grammar.

3- Qualifying students to obtain knowledge and understanding of morphology, as well as literature.

4- Qualifying students to obtain knowledge and understanding of the science of spelling and expression.

- **Course Skills Objectives** .

1. The student should be informed of the skills available in the prescribed curriculum.

2. To analyze and show the positions of proficiency and quality in Arabic language models.

3. Developing speaking skills (eloquent Arabic language).

- **Teaching and learning methods**

1- Employs the style of the lecture and then follows it with discussion.

2- Urging students to visit the library to get more information than the vocabulary of the material, as well as websites

- **Evaluation methods**

1- Employ direct questions and weekly tests.
2- Active participation in the classroom.

3- Writing reports and research on the vocabulary of the main subject.

- **Emotional and value goals**

1- The student should recognize the status of the Arabic language in the hearts of students.

2- Promoting the queen of capturing the influential Arabic sentence with value in the aspects of pronunciation and writing.
3- The student should be aware of the joints of beauty in the synonyms of the language.

Teaching and learning methods

1- Displaying pictures of prose texts and reading them to endear the language to the student.

2- Encouraging participation in literary festivals.

3- Training students on diction.

- **Evaluation methods**

Direct question.

Discussion and dialogue.

- **General and rehabilitative skills transferred (other skills related to employability and personal development).**

1- Investing students' efforts in writing.

2- Investing students' efforts in recitation.

3- Investing students' efforts in writing thoughts.

4- Investing students' efforts in making summaries.

Course Structure

Evaluation method	Method of education	Unit / Subject Name	Required Learning Outcomes	Hours	week
Live Questions / Weekly and Monthly Test.	Paper lectures, and detail on the board	1- The concept of linguistic errors	1- Introducing the vocabulary of the curriculum, and reading a prose text to see the level of students and determine their levels by grammatical and spelling errors	Clock	1
Live Questions / Weekly and Monthly Test.	Paper lectures, and detail on the board	2- Rules for writing the tied and open Taa	1- The difference between Taa and Haa, and the way they are drawn, and the distinction between them.	Clock	2
Live Questions / Weekly and Monthly Test.	Paper lectures, and detail on the board	3- Writing the thousand	1- The elongated thousand, and the compartment thousand.	Clock	3

Live Questions/Weekly and Monthly Test.	Paper lectures, and detail on the board	4- Types of letters	1- Solar letters and lunar letters	Clock	4
Monthly Test.	Pen and paper	5- Exam		clock	5
Live Questions/Weekly and Monthly Test	Paper lectures, and detail on the board	6- Al-Daad and Al-Zaa	The difference between them and the way they are drawn	clock	6

Live Questions / Weekly and Monthly Test.	Paper lectures, and detail on the board	7- Writing the hamza	Connecting and cutting	clock	7
Live Questions / Weekly and Monthly Test.	Paper lectures, and detail on the board	8- Writing the hamza	1- The middle hamza and the extreme hamza	clock	8
Test and monthly.	Paper and pen	9 – Exam		Clock	9
Live Questions/Weekly and Monthly Test.	Paper lectures, and detail on the board	10. Punctuation marks	1- The benefit of them with mentioning their types, and places of use	clock	10
Live Questions / Weekly and Monthly Test.	Paper lectures, and detail on the board	11. Noun and verb and differentiate between them	1- Sections of speech, and actions in terms of construction and expression	Clock	11

Live Questions / Weekly and Monthly Test.	Paper lectures, and detail on the board	12. Effects	1- Object, absolute effect	Clock	12

Live Questions / Weekly and Monthly Test.	Paper lectures, and detail on the board	13. Effects	1- Effect for him, effect.With	Clock	13
Live Questions / Weekly and Monthly Test.	Paper lectures, and detail on the board	14. Issue	1- Preparation and its components	Clock	14
Live Questions / Weekly and Monthly Test.	Paper lectures, and detail on the board	15. Issue	1- Numbers that contradict the countable in terms of remembrance and femininity	Clock	15
Test and monthly.	Paper and pen	16- Exam		Clock	16
Live Questions / Weekly and Monthly Test.	Paper lectures, and detail on the board	17- Common language errors	Addressing some official books and knowing what they contain of common mistakes	Clock	17
Live Questions / Weekly and Monthly Test.	Paper lectures, and detail on the board	18- Meanings of prepositions	1- The rule of a thousand difference	clock	18

Live Questions / Weekly and Monthly Test.	Paper lectures, and detail on the board	19 – Meanings of prepositions	1- The rule of Nun and Tanween	Clock	19
Live Questions / Weekly and Monthly	Paper lectures, and detail on the board	20 . Formal aspects of administrative	1- The student's knowledge of the mechanism of writing the official	Clock	20th

		discourse	letter, and the way it is drafted.		
Test.					

Learning and Teaching Resources

1. The Holy Quran. 2. Explanation of Ibn Aqeel 3. Al-Wajeez in Arabic 4. Arabic grammar (easy morphology)	1 Required textbooks
Al-Wajeez in Arabic for non-specialists.	2- Recommended books and references (scientific journals, reports ....,)
Alokah website / eloquent site / Encyclopedia of poetry / College of Education site University Mustansiriya / College of Education University of Baghdad / Diyala University Journal ...	3 Electronic references, websites ....

13. Course Evaluation

The first month exam of 20 / the second month exam of 20/ and the daily preparation and attendance of 10 pool and divided by 2 become 25 degrees of the first semester, the first month exam of 20 / the second month exam of 20/ and the daily preparation and attendance of 10 pool and divided by 2 become 25 degrees of the second semester, the pool with the degree of the first semester, and become 50 degrees of annual pursuit.

The final exam is written out of 50

The final grade is 100

14. Course Administrator Name

Name: Eng. Ibrahim Ismail Jassim Email:ibrahim.ismail@tu.edu.iq

Developmental Psychology Course Description

Course Teaching:

This course aims to provide the student with the basic concepts of developmental psychology, the study of the stages of human growth from the beginning of pregnancy until the end of childhood, and shed light on the physical, mental, linguistic, emotional and social characteristics of development for each stage, and the developmental theories that explain them.

1. **Educational institution**	**University of Tikrit - College of Education Tuz Khurmatu**
2. **University Department / Center**	**Mathematics**
3. **Course Name/Code**	**Developmental Psychology(CREQ101)**
4. **Programs in which he enters**	
5. **Available Attendance Forms**	**Foundations**
6. **Semester / Year**	**Annual**
7. **Number of Credit Hours (Total)**	**60 hours**
8. **The history of preparation of this description**	**1/10/2024**
9. **Email nihad.A.mahmood@tu.edu.iq**	

Week	Lecture Topic
1	**Course Description + Developmental Psychology Concept and Demands**
2	**Factors affecting growth (genetic + environmental + glands)**
3	**Growth theories**
4	**Division of developmental and embryonic stages**
5	**Lactation stage**
6	**Early childhood 3-6 years**
7	**Middle Childhood 6-9 Years**
8	**Late childhood 9-12 years**
9	**Childhood problems**
10	**Adolescence Early adolescence**
11	**Late adolescence**
12	**Teenagers' needs and problems**

(Note: The order of the plan may change depending on the circumstances we experience during the semester, so be sure to attend to follow up on the changes)

Al-Alusi, Jamal Hussein: 1983	**Basic reference**
developmental Psychology, Book No. 12131, Author Dr. Mariam Selim, Year of printing 2002 Number of pages 560	**Additional References**

Strategies used in teaching: lecture method - group discussion - PowerPoint presentation - brainstorming - educational pens.

Distribution of grades:

20	First semester exam
20	Second semester exam
10	Presence + Participation
50	Final Exam

Important Notes:

- Attendance of lectures on time should be committed, noting that the frequency of delays will be calculated in absence.
- Not to be absent from attending lectures so as not to deprive the student from entering the test when the permissible limit is exceeded. Attendance of tests must be committed on time, noting that no alternative tests will be provided in the event of absenteeism unless paper excuses accepted by the College of Education are submitted.

Course Description Form

1. Course Name:
Assist Prof.Dr İhsan Abdulazez Abdulraheem

2. Course Code:
MUR101

3. Semester / Year:
Year

4. Description Preparation Date:
10/10/2024

5. Available Attendance Forms:
Daily

6. Number of Credit Hours (Total) / Number of Units (Total)
15 hours

7. Course administrator's name (mention all, if more than one name)
Name: ihsan Abdulazez abdulraheem Email: ihsan.abdulazez@tu.edu.iq

8. Course Objectives		
Course Objectives: English language for 2st stage	●	.....
	●	.....
	●	.....

9. Teaching and Learning Strategies	
Strategy	1- learning conversations 2- conversations 3- introducing yourself to your colleagues 4- Reading paragraph 1 5- Answering paragraph 1 questions 6- Learning vocabularies of daily life 7- writing short paragraphs 8- past tense (all related with exercises) 9- present simple tenses (all related with exercises) 10- present perfect tense 11- present perfect tense 12- Reading comprehension 13- listening 14- listening with tests 15- writing skills

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	
Recommended books and references (scientific journals, reports…)	
Electronic References, Websites	