

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



**Course Description  
Guide  
Department of first  
grade teachers**

2026 - 2025

## Academic Program Description Form

جامعة بابل  
كلية التربية الاساسية  
قسم معلم الصفوف الاولى

University Name: babylon

Faculty/Institute: basic education

Scientific Department: first grades teacher

Academic or Professional Program Name: teaching the first grads

Final Certificate Name: primary school teacher training

Academic System: semester

Description Preparation Date:

File Completion Date:

Signature:

Head of Department Name:

Dr. ali hussain wahed

Date:

Signature:

Scientific Associate Name:

Dr. arif hatem hadi

Date:

كلية التربية الاساسية  
شعبة ضمان الجودة  
والاداء الجامعي

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date:

Signature:

Approval of the Dean

## Introduction:

كلية التربية الاساسية  
قسم الصفوف الاولى  
جامعة بابل

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process.



جامعة بابل  
كلية التربية الاساسية  
قسم معلم الصفوف الاولى

## Concepts and terminology:

**Academic Program Description:** The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

**Course Description:** Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

**Program Vision:** An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

**Program Mission:** Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.


**Program Objectives:** They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

**Curriculum Structure:** All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

**Learning Outcomes:** A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

**Teaching and learning strategies:** They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

## General Mathematics

1. Course Name:	
General Mathematics	
2. Course Code:	
3. Semester / Year:	
First semester/ 2025-2026	
4. Description Preparation Date:	
5. Available Attendance Forms:	
On-Campus Attendance	
6. Number of Credit Hours (Total) / Number of Units (Total)	
Theory: 1 Practical: 2 Number of Units: 2	
7. Course administrator's name (mention all, if more than one name)	
Name: Haider Abd ulhai Nasser Email: bscllec.haider.abd@uobabylon.edu.iq	
8. Course Objectives	
<p>Course Objectives</p> 	<ul style="list-style-type: none"><li>• Definition and Analysis of Basic Algebraic Structures: Comprehending the concepts of mathematical systems (Groups, Rings, Fields) and distinguishing between their properties and the binary operations defined on them with scientific accuracy.</li><li>• Application of Relations and Sets Concepts: Using ordered pairs and Cartesian products to solve mathematical problems and understanding the nature of logical links between different sets.</li><li>• Distinction Between Multiple Mathematical Systems: Comparing single-operation systems and two-operation systems by testing algebraic conditions (such as commutativity, associativity, and the existence of identity and inverse elements).</li><li>• Mastery of Mathematical Proof Skills: Utilizing the "Principle of Mathematical Induction" as a logical tool to prove the validity of mathematical laws and sequences related to the set of natural numbers.</li><li>• Linking Numerical Structure to Arithmetic</li></ul>

Applications: Deeply understanding the algebraic properties of natural and integer numbers, enabling the student (as a future teacher) to explain basic arithmetic concepts in a logical and professional manner.

### 9. Teaching and Learning Strategies

<b>Strategy</b>	<ul style="list-style-type: none"> <li>• Cooperative Learning: Dividing students into small working groups to solve exercises and mathematical problems during practical hours.</li> <li>• Problem-Solving Strategy: Presenting mathematical situations that require analyzing systems (such as groups and rings) and deducing solutions through logical proofs.</li> <li>• Brainstorming: Stimulating students' creative thinking by encouraging them to deduce the properties of numbers and binary operations before they are formally explained.</li> </ul>
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### 10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	compares properties of fields and rings.	Mathematical Systems with Operations and their Properties	Interactive Lecture + Brainstorming	Daily Participation + Oral Questions
2	3	Understands the concept of ordered pairs and how they are formed.	Ordered Pair	Lecture + Exercise Solving	Homework
3	3	Applies concepts of Cartesian products of sets.	Cartesian Product (Dynamic)	Practical Application + Cooperative Learning	Solving Problems on the Board
4	3	Links theoretical concepts to practical applications.	General Exercises	Problem Solving + Discussion Session	Quiz
5	3	Distinguishes between different types of algebraic structures.	Groups - Rings - Fields	Presentation-based Lecture	Group Discussion
6	3	Analyzes the conditions of groups and abelian groups.	Definition of Groups and Abelian Groups	Brainstorming + Solving Examples	Pop Quiz
7	3	Deduces basic proofs related to groups.	Theorems on Groups	Logical Deduction + Lecture	Assessment of Theorem Proofs
8	3	Recognizes the properties of systems with two operations (Addition & Multiplication).	Mathematical Systems with Two Operations	Interactive Lecture	Questions and Answers
9	3	Identifies the requirements for constructing a system with two operations.	Definition of a Two-Operation Mathematical System	Practical Application	Class Assignments
10	3	Applies ring conditions to specific numerical sets.	Definition of Rings with Applications	Cooperative Learning Workshop	+ Short Report or Activity
11	3	Compares properties of fields and rings.	Definition of Fields with Applications	Comparative Explanation Examples	+ First Monthly Exam

12	3	Describes the properties of number sets (N, Z).	Natural Numbers and Integers	Lecture	Quiz
13	3	Masters the steps of mathematical induction proof.	Mathematical Induction Method	Mathematical Modeling Exercise Solving	+Solving Applied Proofs
14	3	Analyzes the algebraic properties of natural numbers.	Properties of Natural Numbers	Discussion Session Exercises	+Class Participation
15	3	Measures the achievement of course learning outcomes.	<b>Final Exam</b>	Comprehensive Written Test	Final Exam Grade

<b>Main References (Sources)</b>	<ul style="list-style-type: none"> <li>• "Principles of Abstract Algebra" - By: Dr. Ali Aziz Ali and Dr. Faleh Al-Dousari (A solid reference in explaining mathematical systems, groups, and rings).</li> <li>• "General Mathematics" - By: Dr. Ramadan Mohammed Jihad and Dr. Khalil Ibrahim Al-Mashhadani.</li> </ul>
<b>Recommended Supporting Books and References</b>	<ul style="list-style-type: none"> <li>• "Introduction to Algebraic Structures" - By: Dr. Nouri Farhan Al-Mayahi (Focuses precisely on single and two-operation systems).</li> <li>• "Introduction to the Foundations of Mathematics" - By: Dr. Maysaa Ghanem Al-Samarrai.</li> </ul>
<b>Electronic Resources</b>	<ul style="list-style-type: none"> <li>• Iraqi Academic Scientific Journals (IASJ): For searching recent research in algebra teaching methods.</li> <li>• Iraqi Virtual Science Library (IVSL): To access translated international sources.</li> <li>• MathWorld (Wolfram) Platform: To deepen understanding of group and field theorems.</li> </ul>
<b>Main References (Sources)</b>	<ul style="list-style-type: none"> <li>• "Principles of Abstract Algebra" - By: Dr. Ali Aziz Ali and Dr. Faleh Al-Dousari (A solid reference in explaining mathematical systems, groups, and rings).</li> <li>• "General Mathematics" - By: Dr. Ramadan Mohammed Jihad and Dr. Khalil Ibrahim Al-Mashhadani.</li> </ul>



Course Name: Fundamentals of Basic

Course Name: Fundamentals of Basic Education .1					
The course code .2					
2026-Second semester of the academic year 2025 : Year / the chapter .3					
2026 : Description this numbers date .4					
person-In : Available the audience shapes .5					
(3) the college of The study Hours number .6 (3) All Units number					
more if Academic The course responsible name .7 It is mentioned name from					
Razzaq-Prof. Dr. Wafaa Abdel :Name : Email					
.8 اهداف المقرر					
Understanding the stages that education has gone through .1 experiences in education .2 School problems .3 Addressing some educational problems .4					اهداف المادة الدراسية
.9 استراتيجيات التعليم والتعلم					
Lecture, discussion, and questioning					Strategies
.10 بنية المقرر					
	طريقة التعلم	اسم الوحدة او الموضوع	مخرجات التعلم المطلوبة	الساعات	Week
	discussion	Introduction to the Education Principles of	mastery	3	1
	Lecture	Education in primitive societies	Preservation	2	2
	Cooperative learning	Mesopotamian civilization	Knowledge	3	3
	Lecture	Nile Valley Civilization	identification	3	4
	discussion	Educational Thought	success	3	5



		Pioneers			
	Lecture	Ibn Khaldun	mastery	3	6
	Cooperative learning	First month exam	Knowledge	3	7
	besieged	School problems	Solutions	3	8
	discussion	School dropout	Solutions	3	9
	Lecture	Jacques Rousseau-Jean	identification	3	10
	Cooperative learning	Socrates	mastery	3	11
	monitoring	Second month exam	success	3	12
					13
					14

Course Evaluation .11

Learning Resources 12

Nothing	Required textbooks (methodology, if applicable)
A book about the fundamentals of basic education	(Main references (sources
Books on education in China and books on education in term reports by -of-developed countries; writing end students	Recommended supporting books and (.reports, etc – references (scientific journals
	Internet resources – Electronic references



## Islamic Education

1. Course Name:	
<b>Islamic Education</b>	
2. Course Code:	
0	
3. Semester / Year:	
<b>First Semester / 2025-2026</b>	
4. Description Preparation Date:	
1/10/2025	
5. Available Attendance Forms:	
<b>In-person teaching</b>	
6. Number of Credit Hours (Total) / Number of Units (Total)	
4/3 weekly	
7. Course administrator's name (mention all, if more than one name)	
م. د. علي حسين وحيد	
<a href="mailto:bsc.ali.wahed@uobabylon.edu">bsc.ali.wahed@uobabylon.edu</a>	
8. Course Objectives	
<div style="border: 2px solid blue; border-radius: 50%; padding: 5px; display: inline-block;"> <p style="text-align: center; margin: 0;">جامعة بابل كلية التربية الأساسية قسم الصفوف الأولى</p> </div> <p>Course Objectives</p>	<p>This material aims to explain the selection of prophets and messengers and their important role in saving humanity from ignorance and misguidance, as well as presenting the attributes of prophets and messengers and explaining the difference between a prophet and a messenger in terms of language and general technical meaning, leading up to what comes after death, represented by the grave and the intermediate state...</p>
9. Teaching and Learning Strategies	
Strategy	<ol style="list-style-type: none"> <li>1. Problem solving.</li> <li>2. Brainstorming.</li> <li>3. Active learning strategies.</li> <li>4. Discussion.</li> <li>5. Metaphorical thinking.</li> <li>6. Collaborative learning.</li> </ol>

## 10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1st	2	Deniers of Prophethood and their Refutation		Giving a lecture	Questions, answers and sharing
2nd	2	The Prophet and Messenger in Language		Giving a lecture	=
3rd	2	The Mission of the Prophets		Giving a lecture	=
4th	2	The Attributes of the Prophets and Messengers		Giving a lecture	=
5th	2	Revelation		Giving a lecture	=
6th	2	The Miraculous Nature of the Qur'an		Giving a lecture	=
7th	2	The Prophet's Intercession		Giving a lecture	=
8th	2	The Hereafter in Islamic Thought		Giving a lecture	=
9th	2	Death		Giving a lecture	=
10th	2	The Intermediate Realm (Barzakh)		Giving a lecture	=
11th	2	The Torment of the Grave		Giving a lecture	=
12th	2	The Hour		Giving a lecture	=
13th	2	Signs of the Hour		Giving a lecture	=
14th	2	The Gathering, the Presentation, the Reckoning		Giving a lecture	=
15th	2	The Cistern		Giving a lecture	=

### 11- Course Evaluation

Monthly test / 40 points, two tests.

Final test 60 points

### 12- Learning and teaching resources

Scientific journals and academic research	
Reputable websites	



## Dictation

1. Course Name:	
Dictation	
2. Course Code:	
3. Semester / Year:	
First semester/First year	
4. Description Preparation Date:	
2026/2/1	
5. Available Attendance Forms:	
Weekly	
6. Number of Credit Hours (Total) / Number of Units (Total)	
Number of study hours (45) / Number of units (3)        .....	
.....	
7. Course administrator's name (mention all, if more than one name)	
Name: Younis Yassin Naama	
Email: qur275.unios.yasien@uobabylon.edu.iq	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul>
9. Teaching and Learning Strategies	
Strategy	<ol style="list-style-type: none"> <li>1. Lecture delivery methods.</li> <li>2. E-learning on campus.</li> <li>3. Using labs and display screens for lectures and instruction.</li> <li>4. Involving students in helping other students understand instructions.</li> <li>5. Integrating students into the e-learning system.</li> </ol>
10. Course Structure	

## Course Description Form

1. Course Name:	
General Sciences	
2. Course Code:	
3. Semester / Year:	
Second semester / 2025-2026	
4. Description Preparation Date:	
5. Available Attendance Forms:	
On-Campus Attendance	
6. Number of Credit Hours (Total) / Number of Units (Total)	
Theory: 2 Practical: 2 Number of Units: 3	
7. Course administrator's name (mention all, if more than one name)	
Name: Maher Hassan Rasheed Email: bsc.maher.hassan@uobabylon.edu.iq	
8. Course Objectives	
Course Objectives	<input type="checkbox"/> Definition of.. the Sun and Earth's Gravitational Layers: Understanding the Sun and Earth's position in the universe and defining gravity. .... <input type="checkbox"/> The concept of solar energy, as well as electrical and alternative energy sources, and their impact on humans. <input type="checkbox"/> Training between the white and plant families: Viruses, bacteria, and antibiotics. <input type="checkbox"/> Definition of oil and its extraction methods: Theory of oil formation, refining, and derivatives.



□ Pharmaceutical industries: Sources, effects, disinfectants, and a comparison between disinfectants and antibiotics.

## 9. Teaching and Learning Strategies

### Strategy

- Cooperative learning: Dividing students into small working groups to prepare reports during practical sessions.
- Problem-solving strategy: Posing questions, engaging in discussions among students, and citing examples.
- Brainstorming: Stimulating students' creative thinking by exploring the metals used in industry.


جامعة بابيل  
كلية التربية الأساسية  
قسم علم الصيدلانيات

## 10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Definition of the Sun and Earth's Gravity	The Sun and Earth Gravity. Their location	Interactive Lecture + Brainstorming	Daily Participation + Oral Questions
2	4	Understanding energy, its importance to humans, and how to use it..	Energy sources	Lecture	Homework
3	4	Applying energy sources to the ground.	Other sources of energy	Practical Application + Cooperative Learning	Solving Problems on the Board
4	4	Energy and Alternative Energy Company.	Power station	Problem Solving + Discussion Session	Quiz
5	4	An overview of living organisms	Algae, fungi, bacteria, and viruses In addition to plants and their functions	Presentation-based Lecture	Group Discussion
6	4	She distinguished herself between the royal and vegetarian families.	In addition to the plant and its functions	Brainstorming + Solving Examples	Pop Quiz
7	4	He differentiates between living organisms directly.	Environmental pollution	Logical Deduction + Lecture	Assessment of Theorem Proofs
8	4	Learn about the oil method and students	Theory of the Origin of Oil - Refining - Derivatives	Interactive Lecture	Questions and Answers
9	4	Industries that rely on mineral resources are identified	Fertilizer industry - Sulfur industry - Sulfate industry	Practical Application	Class Assignments
10	4	Pictures of medications	Its sources - Drug effect - Disinfectants	Cooperative Learning Workshop	Short Report or Activity
11	4	Compares properties of fields and rings.	Definition of Fields with Applications	Comparative Explanation Examples	First Monthly Exam
12	4	Comparing disinfectants and antibiotics	Primary goal	Lecture	Quiz
13	4	Paper and paper industry proof.	Paper and paper industry	Lecture	Solving Applied Proofs

14	4	Industrial corruption.	Sources of pollution - their impact on the environment	Discussion Session + Exercises	Class Participation
15	4	Measures the achievement of course learning outcomes.	<b>Final Exam</b>	Comprehensive Written Test	Final Exam Grade



<p><b>Main References (Sources)</b></p>	<ul style="list-style-type: none"> <li>• • Kamal al-Din al-Hanawi (1987), Dictionary of Biological Terms: Plant, Insect Classification, and Genetics (in Arabic and English), revised by Hisham Kamal al-Hanawi, Cairo: Academic Library, p. 535.</li> <li>Gerber, R. A.; Lamb, S. A.; Balsara, D. S. (1994). "Evolution of the ring galaxy as a function of the 'intruder' mass." Bulletin of the American Astronomical Society 26: 911. PIP CODE: 1994AAS ...184.3204G.</li> </ul>
<p><b>Recommended Supporting Books and References</b></p>	<ul style="list-style-type: none"> <li>• Belkin, A. et. al. (2015). "Self-Assembled Wiggling Nano-Structures and the Principle of Maximum Entropy Production". Sci. Rep. 5. ج . Bibcode:2015NatSR...5E8323B. DOI:10.1038/srep08323.</li> <li>" Guerriero V".(2012). وآخرين، A permeability model for naturally fractured</li> </ul>
<p><b>Electronic Resources</b></p> 	<ul style="list-style-type: none"> <li>• Iraqi Academic Scientific Journals (IASJ): For searching recent research in algebra teaching methods.</li> <li>• Iraqi Virtual Science Library (IVSL): To access translated international sources.</li> <li>• MathWorld (Wolfram) Platform: To deepen understanding of group and field theorems. carbonate reservoirs". Marine and Petroleum Geology .134–115 :40 . ج . Bibcode:1990MarPG...7..410M. DOI:10.1016/j.marpetgeo.2012.11.002. ISSN:0264-8172.</li> </ul>
<p><b>Main References (Sources)</b></p>	<ul style="list-style-type: none"> <li>• • Iraqi Scientific Journals Database (IASJ): For searching recent research in the sciences.</li> <li>• International Scientific Library (IVSL): Access to translated global knowledge.</li> </ul>