

*Republic of Iraq
Ministry of Higher Education & Scientific
Research Supervision and Scientific
Evaluation Directorate Quality Assurance
and Academic Accreditation International
Accreditation Dept.*

*Academic Program Specification
Form For The Academic
2021-2022*

*University: Diyala
College : Al-Miqdad College of Education
Number Of Departments In The College
: Date Of Form Completion :1/9/2021*

Dean 's Name

Date : / /

Ayad Hashem

Mohammed

Signature

Dean 's Assistant

*For Scientific
Affairs*

Mushtaq Abdul Amir

Date : / /

Signature

The College Quality

Assurance And University

Performance Manager

Nadia Mohamed

Date : / /

Signature

Quality Assurance And University Performance

Manager Date : / /

Signature

TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME SPECIFICATION

This Program Specification provides a concise summary of the main features of the program and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It is supported by a specification for each course that contributes to the program.

1. Teaching Institution	Al-Miqdad College of Education - University of Diyala
2. University Department/Centre	Mathematics department
3. Program Title	Bachelor of Mathematics Education
4. Title of Final Award	Bachelor of Mathematics Education/Mathematics Department
5. Modes of Attendance offered	annual
6. Accreditation	
7. Other external influences	Scientific research related to the department's specialization. The World Wide Web (Internet). Regular and digital libraries. Data show Power point
8. Date of production/revision of this specification	1/9/2021
9. Aims of the Program	
1. Teaching the basics of mathematics as a science that researches applied mathematics, theory and theories that worked on developing solutions and finding ways and means.	
2. Dealing on the basis of quotation and then learning in order to develop the mental ability of the student.	
3. Develop the student's ability to collect and apply information.	
4. Encouraging scientific research and improving students' debating skills.	
5. Develop the creative and thinking skills of the students of the department so that they can deal in a scientific manner in making decisions related to their specialization or that enable them to succeed in facing work problems.	

10. Learning Outcomes, Teaching, Learning and Assessment Methods

A. Cognitive goals

A₁ - To familiarize the student with the principles, principles, foundations and rules of applied and theoretical mathematics.

A₂ - The program aims to raise the student's ability to the level of understanding in the field of mathematics specialization as far as his exact specialization is applied and theoretical mathematics.

B. The skills goals special to the programme .

B₁ - Teaching the student how to become able to think logically.

B₂ - Teaching the student to analyze and use the prescribed vocabulary.

B₃ - Developing the student's mental and self-ability in the specialization is an important part in his field of specialization

B₄ - Providing the student with communication skills and using modern educational techniques effectively.

Teaching and Learning Methods

1. Lectures

2. Google Classroom and Google Mate

3. Directing questions and opening the door for dialogue.

4. Computer-supported teaching and presentation of the topic in data show.

5. Assigning the student some research

Assessment methods

1. Daily, monthly tests.

2. Scientific research.

3. Conducting discussion seminars for students to see their understanding of the material

C. Affective and value goals

C₁ - The ability to make decisions by recognizing the problem and finding solutions

C₂ - The ability to organize and apply information

C₃ - The ability to search and investigate

Teaching and Learning Methods

Providing the appropriate educational climate for logical thinking through continuous guidance to students by professors during the lectures, opening the door for open and direct discussions with students.

Assessment methods

1. Evaluation of the student in the classroom through daily attendance.

2. Student interaction with the lecture and class discussions

3. Student's subjective behavior

D. General and Transferable Skills (other skills relevant to employability and personal development)

D1 - Basic communication and communication skills through (sports activities, educational guidance, college conferences, department-specific seminars, seminars to discuss student research).

D2 - Teaching the student how to develop creative and innovative thinking skills in the field of specialization.

Teaching and Learning Methods

Curriculum, using the Internet, using data show, using power point.

Assessment Methods

Conducting research, working papers and graduate research for the finished stage.
Oral, monthly and daily exams

11. Program Structure

11. Program Structure				12. Awards and Credits
Level/Year	Course or Module Code	Course or Module Title	Credit rating	
The first stage		Calculus	٨	Bachelor Degree Requires (x) credits
		Fundamental Mathematics	٦	
		Linear Algebra	٦	
		Physics	٤	
		Computers 1	٤	
		Human Rights & Democracy	٢	
		Arabic language	٤	
		Basic of Education	٤	
		Educational Psychology	٤	
		English language	٤	

The second stage		Advanced Calculus	٨
		Group Theory	٦
		Ordinary Differential Equations	٦
		Geometry	٦
		Philosophy of scientific Research	٤
		Computers 2	٤
		Growth Psychology	٤
		Secondary Learning & Educational Management	٤
		English language	٤
third stage		Mathematical analysis	٦
		Numerical Analysis	٦
		Probability	٦
		Ring Theory	٦
		Partial Differential Equations	٦
		English language	٤
		Curriculum and Teaching Methods	٤
		Counseling & Self-Health	٤
The fourth stage		Topology	٦
		Mathematical Statistics	٦
		Complex Analysis	٦
		Algebra applications	٦

		Functional analysis	٦
		Measuring and Assessment	٤
		English language	٤
		Research project	٢
		Practical Education	٤

13. Personal Development Planning

Through the scientific conference of the college.
The department's quarterly scientific symposium.
Discussion sessions for teachers and students.
Research circles

14. Admission criteria .

According to the controls specified by the Ministry of World Education through the central admission, the admission controls approved by the university and the college, according to the student's desire to apply in the department

15. Key sources of information about the programme

Textbooks, professors' lectures

A- Cognitive goals .

- A1.
- A2.
- A3.
- A4.
- A5.
- A6 .

B. The skills goals special to the course.

- B1.
- B2.
- B3.

Teaching and Learning Methods

Assessment methods

C. Affective and value goals

- C1.
- C2.
- C3.
- C4.

Teaching and Learning Methods

Assessment methods

D. General and rehabilitative transferred skills (other skills relevant to employability and personal development)

- D1.
- D2.
- D3.
- D4.

10. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method

11. Infrastructure

1. Books Required reading:	
2. Main references (sources)	
A- Recommended books and references (scientific journals, reports...).	
B-Electronic references, Internet sites...	

12. The development of the curriculum plan

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