

Kingdom of Saudi Arabia
Ministry of Education
College of Science
Department of Mathematics



المملكة العربية السعودية
وزارة التعليم
جامعة الجوف
كلية العلوم
رمزه (٥١/٩/٤٤)
قسم الرياضيات



DEPARTMENT OF MATHEMATICS
Bachelor in Mathematics Program

**RESEARCH PLAN FOR
BACHELOR PROGRAM
IN MATHEMATICS
1443 AH, 2021-2022G.**

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Program vision

Leadership and excellence in providing high-quality education and scientific research in the field of mathematics and its applications to serve the community

Program mission

Providing knowledge and skills in the field of mathematics and its applications to achieve educational, research, and community outcomes through a suitable study plan, qualified faculty members, and a stimulating scientific environment.

Program Objectives

- To apply quality standards to the Bachelor of Mathematics to align its graduates with the labor market ongoing needs.
- To develop a suitable study plan that contributes to enhance skills of graduates in critical thinking, problem solving, and decision making.
- To qualify faculty members and to train students to use software packages in a stimulating scientific environment.
- To provide scientific research outputs in the field of mathematics and its applications and to improve the research skills of the program students.
- Providing community initiatives and partnerships in cooperation with those interested in the field of mathematics and its applications.

The first goal: is to spread the culture of scientific research and its importance among students

Objectives	Activities	Output	Period		Responsible	Follow-up	Indications	Target
			From	to				
Student participation in scientific forums	Organizing workshops for students to prepare students for the scientific forum	Students are able to participate in the scientific forum			Graduate Affairs Committee	Graduate Affairs Committee Coordinator	The number of students participating in the Student Scientific Forum. KPI-MTH-9	5
Participation of high-level students in research activities	Organizing training courses for students to introduce research projects	Students able to prepare a research project			Student Projects Committee	Student Projects Committee Coordinator	The number of students in research projects in the program	10

The second goal: is to increase research cooperation among faculty members.

Objectives	Activities	Output	Period		Responsible	Follow-up	Indications	Target
			From	to				
Increasing the number of research groups.	Increasing cooperation between faculty members in the department	A report on published research from research groups			Postgraduate Studies, Scientific Research, and Scholarship Committee	Postgraduate Studies, Scientific Research, and Scholarship Committee Coordinator	The number of research groups in the program KPI-P-18	5
							Rate of published research per faculty member KPI-P-15	2:1
Research participation between members of the department and other departments	Increasing cooperation between faculty members in the department and faculty members in the corresponding departments in other universities	A report on the number of research published by faculty members in cooperation with members from outside the department			Postgraduate Studies, Scientific Research, and Scholarship Committee	Postgraduate Studies, Scientific Research, and Scholarship Committee Coordinator	Number of research published in cooperation with members from outside the university	80

The third goal: enriching scientific research in the field of mathematics

Objectives	Activities	Output	Period		Responsible	Follow-up	Indications	Target
			From	to				
Improving the quality of published research and raising the publishing rates for the faculty	Holding courses on distinguished scientific publishing	A report on the number of citations for research published by faculty members	Start of January 1443H	End of December 1443H	Postgraduate Studies, Scientific Research, and Scholarship Committee	Postgraduate Studies, Scientific Research, and Scholarship Committee Coordinator	Citations rate in refereed journals per faculty member KPI-P - 16	3:1
Serving the community and the surrounding environment and working to help solve problems through research projects	Encouraging faculty members to apply for research projects	Report on the number of research projects supported by faculty members in the department	Start of January 1443H	End of December 1443H	Postgraduate Studies, Scientific Research, and Scholarship Committee	Postgraduate Studies, Scientific Research, and Scholarship Committee Coordinator	The number of supported research projects obtained by the program per year KPI-P - 19	8