



WOMEN UNIVERSITY SWABI

KHYBER PAKHTUNKHWA-PAKISTAN

Department of Mathematics



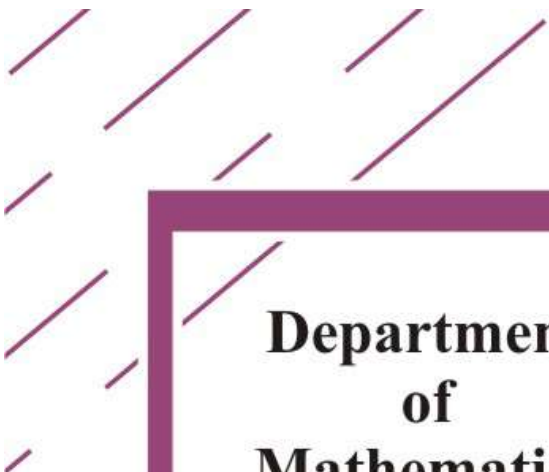


Vice Chancellor's Message

Welcome to Women University Swabi, a university that is committed to empower women through higher education and provide them opportunities to work in a wide array of settings such as education, business, industry, health, and social services sectors.

To me, the job of a university is not only to produce degree holders and commercially marketable human resources, but I believe it is more than that. Universities are required to produce loyal, honest and enlightened human beings who can empathetically understand the needs of society, reverentially work in both national and international community, and take better care of the future generations.

PROF. DR. SHAHANA UROOJ KAZMI
WOMEN UNIVERSITY SWABI
KHYBER PAKHTUNKHWA-PAKISTAN



Department of Mathematics

Vision

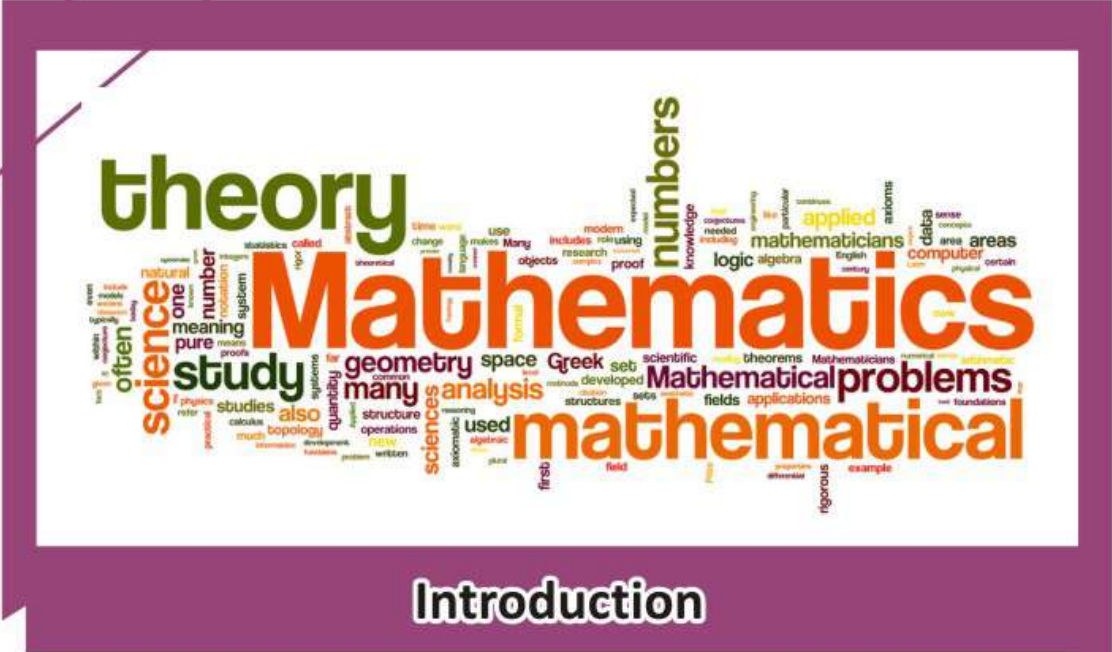
Moreover the department will contribute to the development of students as mathematical thinkers, in order to make them life long learners and to grow in their chosen profession.

Mission

The mission of mathematics department is to provide an environment where students can learn and become a competent users of mathematics and mathematical application

BS Mathematics

Msc Mathematics



Women university swabi take a step forward by establishing the department of Mathematics in 2015. Strong research groups are working in the field of Computational Fluid Mechanics, Numerical Analysis, Complex Analysis, Differential Equations, Mathematical Biology, Mathematical Methods and it's Applications.

Why Mathematics

Mathematics is fundamental to national prosperity in providing tools for understanding sciences, engineering, technology and economics. It is essential in public decision-making and for participation in the knowledge economy. It is also of growing importance in biology, medicine and many of the social sciences.

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Jobs you can get with a Math Degree

There are so many job area for Bs Mathematics degree holders, as a Mathematics graduate you have a lot of career options in Pakistan and abroad. Some of them include but are not limited to::

- ✱ Mathematician
- ✱ Statistician
- ✱ College math professor
- ✱ Actuary
- ✱ Market Research Analyst
- ✱ Economist
- ✱ Aerospace Engineer
- ✱ Data scientist
- ✱ Astronomer

BS (4 Years) Mathematics

(4 Years)
8 Semesters

Admission Criteria

- At least 45% marks in Intermediate in aggregate.
Eligibility Criteria for Msc:
BSc with at least 45% marks

Scheme of Studies BS Mathematics

Foundation Courses		
S No.	Title	Credit Hours
1	Calculus I	3
2	Calculus II	3
3	Calculus III	3
4	Algebra I	3
5	Algebra II	3
6	Complex Analysis	3
7	Ordinary Differential Equations	3
8	Affine and Euclidean Geometry	3
9	Linear Algebra	3

Scheme of Studies BS Mathematics

Major Courses		
S No.	Title	Credit Hours
1	Number Theory	3
2	Topology-I	3
3	Topology-II	3
4	Numerical Analysis-I	3
5	Numerical Analysis-II	3
6	Mathematical Methods	3
7	Functional Analysis-I	3
8	Functional Analysis-II	3
9	Partial Differential Equations	3
10	Complex Analysis-I	3
11	Complex Analysis-II	3
12	Real Analysis-I	3
13	Real Analysis-II	3
14	Differential Geometry	3
15	Graph Theory	3

Scheme of Studies BS Mathematics

Electives + Project		
S No.	Title	Credit Hours
1	Measure Theory-I	3
2	Measure Theory-II	3
3	Advanced Group Theory-I	3
4	Advanced Group Theory-II	3
5	Optimization Theory	3
6	Convex Analysis Project	3+3

Faculty Members of Mathematics



Dr. Rahman Ullah
Associate Professor
HOD



Dr. Hamid Rahman
Associate Professor
PhD



Dr. Ihteram Ali
Assistant Professor
PhD



Miss. Hina
Lecturer
MS



Miss. Amna
Lecturer
MS



Miss. Sidra Jubair
Lecturer
MS

Departmental Workshops

