

Department of Mathematics

Welcome to the Department of Mathematics Shaheed Benazir Bhutto Women University Peshawar. The department of Mathematics, Shaheed Benazir Bhutto Women University established in Dec 2006. The Department offers 4 years BS program, M-Phil and Ph.D. in mathematics.

The primary mission of a University education is to transform a human being to an upper most level of intellect and human values through best practices of Human Capital Management, Meaningful Education, Technical Training and Research Exposures. In the light of vision and mission of the SBBWU, Peshawar, Faculty of Department of Mathematics is aimed to achieve these objectives in the realm Physical & Natural sciences; Mathematics and Design by synergizing Mathematics with Pure Sciences, Art and Humanities and encapsulating them in the garland of universal knowledge perspectives.

Vision Statement of Department

To be a leading Department in both public and private sector Universities in research centered teaching and funded projects; to equip female students with in-depth knowledge of how to use mathematics tools to solve the real world problems so that they can be a useful citizen of Pakistan and have benefit to this world.

Mission Statement of Department

The mission of SBBWU mathematics department is to enlighten, motivate, understand, and involve the students in the field of pure and applied mathematics. Mathematics gives us unique and essential way of interpreting the world around us, providing precision and diligence to the quest to locate patterns in observation, both abstract and concrete.

We achieve this through an innovative curriculum, where student explore mathematics not only for its own sake but also for the unlimited ways used in modern world. The department of mathematics is a community that values mathematics and its applications. It provides a foundation for critical thinking by developing skills, logic, problem solving and develops close mentoring and relationships among faculty and students through classes, students faculty research projects and laboratory work.

About the Faculty

Dr. Nadia Gul	Ph.D (SBBWUP)	Assistant Professor (Incharge)
Dr. Nasra Nadeem	Ph.D (UET Peshawar)	Lecturer
Dr. Hina	Ph.D (QU Islamabad)	Assistant Professor
Dr. Sehra	Ph.D (IUP)	Assistant Professor
Ms. Mehwish Tahir	M.Phil	Lecturer
Dr. Mehnaz	Ph.D (UET Peshawar)	Lecturer

ADMISSION ELIGIBILITY CRITERIA

Admissions to Bachelors level shall be open to candidates who have passed the Intermediate Examination (FA/FSC with Mathematics) of any Board of Intermediate and Secondary Education of Pakistan or equivalent qualifications in at least 2nd Division.

Scheme of Studies for BS 4 years program

Semester	Course Code	Course Title	Credit Hour	Average Student Evaluation For The Course
I	MTH-321	Calculus I	4(4,0)	
	MTH-323	Set Theory	3(3,0)	
	ENG-311	English I	3(3,0)	
	ISL -320	Islamic studies	2(2,0)	
	PHY-301	Mechanics-I (G-1)	3(2,1)	
	CSC-301	Introduction to Information and Communication Technology	3(2,1)	
II	MTH -322	Calculus-II	4(4,0)	
	MTH-324	Discrete Mathematics	3(3,0)	
	ENG-321	Communication Skills	3(3,0)	
	AR-321	Arabic/ Persian/ French/German (G-2)	3(3,0)	
		Pak studies	2(2,0)	
	PHY-305	Introductory Electricity & Magnetism (G-3)	3(2,1)	
III	MTH-411	Calculus-III	4(4,0)	
	MTH-412	Algebra-I	3(3,0)	
	ECON-401	Introduction to Economics	3(3,0)	
	ENG-431	Technical Writing and Presentation Skills	3(3,0)	
	STAT-301	Statistics-I (G-4)	3(3,0)	
IV	MTH-413	Computing Tools	3(2,1)	
	MTH-414	Linear Algebra	3(3,0)	
	MTH-415	Number Theory	3(3,0)	
	MTH-416	Probability Theory	3(3,0)	
	MS-407	Introduction to Accounting (G-5)	3(3,0)	
V	MTH-511	Topology	3(3,0)	

	MTH-512	Complex Analysis	3(3,0)	
	MTH-513	Ordinary Differential Equations(ODE's)	3(3,0)	
	MTH-514	Real Analysis-I	3(3,0)	
	MTH-516	Rings and Fields	3(3,0)	
	MTH-517	Numerical Analysis-I	3(3,0)	
	MTH-515	Real Analysis-II	3(3,0)	
VI	MTH-519	Affine and Euclidean Geometry	3(3,0)	
	MTH-520	PDE's	3(3,0)	
	MTH-521	Algebra-II	3(3,0)	
	MTH-518	Numerical Analysis-II	3(3,0)	
	PHY-523	Classical Mechanics (G-6)	3(3,0)	
	MTH-613	Integral Equations	3(3,0)	
VII	MTH-623	Measure Theory-I	3(3,0)	
	MTH-616	Mathematical Methods	3(3,0)	
	MTH-699/ MTH-	Research Project / Optional Course	3(3,0)	
	MTH-617	Graph Theory	3(3,0)	
VIII	MTH-624	Measure Theory-II	3(3,0)	
	MTH-618	Mathematical Statistics	3(3,0)	
	MTH-619	Functional Analysis	3(3,0)	
	MTH-620	Fluid Mechanics	3(3,0)	
	MTH-699/ MTH-	Research Project / Optional Course	3(3,0)	