

Curriculum Vitae (Waqar-un-Nisa)

Detailed Personal Information:

Full Name : Waqar-un-Nisa
Father's Name : Muhammad Arshad
Date of Birth : May 27, 1979
Domicile : Rawalpindi (Punjab)
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ACADEMIC QUALIFICATIONS

Degree	Graduating Year	Degree Awarding Institution
M.Phil (Mathematics)	CGPA 3.33 2017	Capital University of Sciences and Technology (CUST) Islamabad
M.Sc (Mathematics)	2005	University of The Punjab
B.Sc (Math A, B, Economics)	2002	University of The Punjab
F.Sc (Math, Stat, Physics)	1999	Board of Intermediate and Secondary Education Rawalpindi
S.S.C. (Science)	1997	Board of Intermediate and Secondary Education Islamabad

Subjects of Interest for Teaching:

1. Linear Algebra
2. Calculus and Analytical Geometry
3. Multi-variable Calculus
4. Differential Equations
5. Numerical Analysis
6. Statistics and Probability
7. Business Mathematics and Statistics

COURSES STUDIED AT UNIVERSITY LEVEL

(M.Phil & M.Sc)

Courses Studied in M.Phil (Mathematics)	
1	Advanced Partial Differential Equations
2	Applied Cryptography
3	Mathematical Methods for Finance
4	Advanced Numerical Techniques
5	Advanced Fluid Dynamics-I
6	Advanced Fluid Dynamics-II
7	Computational Fluid Dynamics
8	Finite Difference Method

Courses Studied in M.Sc (Mathematics)	
1	Real Analysis
2	Algebra
3	Complex Analysis and Differential Geometry
4	Mechanics
5	Topology and Functional Analysis
6	Advance Analysis
7	Methods of Mathematical Physics
8	Numerical Analysis
9	Mathematical Statistics
10	Special Theory of Relativity and Analytical Dynamics
11	Operation Research

M.PHIL THESIS DESCRIPTION

The main agenda of thesis research is on “*Numerical Techniques on Fluid Problems*”.

Workshops:

I presented a technical discussion in “**2nd Workshop on Mathematics**”. The workshop was held on May 9, 2015. The workshop was organized by the department of mathematics, Mohammad Ali Jinnah University, Islamabad.

TEACHING EXPERIENCE DETAILS

(September 2004-to-date)

SHORT SUMMARY

University/Institute	Position	Duration
Foundation University, Rawalpindi Campus	Lecturer (Permanent Faculty)	September 19, 2016- To- Date
Foundation University, Rawalpindi Campus	Visiting Faculty Lecturer	September 16, 2014 –To– September 2016
Askari College, Rawalpindi	Visiting Faculty Lecturer	December 2006 –To– April 2007
Ilqa Post graduate Girls College, Rawalpindi	Visiting Faculty Lecturer	September 2005 –To– April 2006
Govt. Viqar-un-Nisa College for Women, Rawalpindi	Visiting Faculty Lecturer	September 2005 –To– March 2006
Govt. Degree College for Women, Rawalpindi	Visiting Faculty Lecturer	September 2004 –To– February 2005

Foundation University, Rawalpindi Campus

Currently I am teaching in the *Foundation University, Rawalpindi Campus* as visiting faculty member for courses of mathematics. Initially I joined the department of software engineering of this esteemed university as visiting faculty member on **September-2014**. Later-on I also joined the department of electrical engineering of this university on February-2015 as visiting faculty member for courses of mathematics. Since then I continued my teaching in this university till today. During my stay in both departments I have taught the following courses of undergraduate level.

❖ **Subjects Taught (Department of Software Engineering)**

1. Calculus and Analytical Geometry (BCSE)
2. Calculus and Analytical Geometry (BSCS)
3. Multi-variable Calculus (BSCS)
4. Multi-variable Calculus (BCSE)
5. Statistics and Probability (BCSE)

❖ **Subjects Taught (Department of Electrical Engineering)**

1. Calculus and Analytical Geometry (BSEE)
2. Multi-variable Calculus (BSEE)
3. Linear Algebra (BSEE)

