

**Abdus Salam School of Mathematical Sciences  
G C University, Lahore.**

*Detail of Courses offered during M.Phil & PhD Programs*

**Fall Semester-2015**

Sr. No.	Courses Offered	Instructor's	Program
1	Number Theory	Dr. Amer Iqbal	M.Phil
2	Real Analysis-I	Dr. R. L. Zeinstra	
3	Algebra-I	Dr. Imran Anwar	
4	Linear Algebra	Dr. R. L. Zeinstra	

**Spring Semester-2016**

Sr. No.	Courses Offered	Instructor's	Program
1	Computational Algebra-I	Dr. Afshan Sadiq	M.Phil
2	Algebra-II	Dr. Imran Anwar	
3	Real Analysis-II	Dr. Rein Leo Zeinstra	
4	Special Topics in Complex Analysis	Dr. Rein Leo Zeinstra	PhD
5	Introduction to Smooth Manifolds	Dr. Johann Davidov	
6	Dynamical Systems	Dr. Dimitar Kolev	
7	Fluid Mechanics-II	Dr. Constantin Fetecau	
8	Reading & Research Methodology	Dr. Amer Iqbal	

**Fall Semester-2016**

Sr. No.	Courses Offered	Instructor's	Program
1	Measure Theory	Dr. Rein Leo Zeinstra	M.Phil
2	Advance Linear Algebra	Dr. Amer Iqbal	
3	Mathematical Analysis	Dr. Rein Leo Zeinstra	
4	Advanced Algebra-I	Dr. Afshan Sadiq	
5	Advanced Geometry	Dr. Imran Anwar	

**Spring Semester-2017**

Sr. No.	Courses Offered	Instructor's	Program
1	Advanced Complex Analysis	Dr. Rein Leo Zeinstra	M.Phil
2	Advanced Algebra-II	Dr. Imran Anwar	
3	Advanced Functional Analysis	Dr. Georgi E. Karadzhov	
4	Advanced Differential Equations	Dr. Tamaz Kladze	

**Fall Semester-2017**

Sr. No.	Courses Offered	Instructor's	Program
1	Homological Algebra	Dr. Safyan Ahmad	PhD
2	Algebraic Geometry	Dr. Afshan Sadiq	
3	Qualitative Theory of ODE	Dr. Dimitar Kolev	

**Spring Semester-2018**

Sr. No.	Courses Offered	Instructor's	Program
1	Combinatorial Geometry	Dr. Imran Anwar	PhD
2	Introduction to Manifolds	Dr. Amer Iqbal	
3	Commutative Algebra and Algebraic Geometry	Dr. Muhammad Azeem Khadam	

**Fall Semester-2018**

Sr. No.	Courses Offered	Instructor's	Program
1	Advanced Algebra-I	Dr. Afshan Sadiq	M.Phil
2	Advanced Linear Algebra	Dr. Hassan Azad	
3	Advanced Functional Analysis	Dr. Rein Leo Zeinstra	
4	Advanced Differential Equations	Dr. Fiazuddin Zaman	
5	Algebraic Geometry	Dr. Imran Anwar	PhD
6	Special Topics in Analysis	Dr. Rein Leo Zeinstra	
7	Partial Differential Equation	Dr. Fiazuddin Zaman	

**Spring Semester-2019**

Sr. No.	Courses Offered	Instructor's	Program
1	Advanced Algebra-II	Dr. Muhammad Azeem Khadam / Dr. Tiberiu Dumitrescu	M.Phil
2	Advanced Geometry	Dr. Imran Anwar	
3	Advanced Topology	Dr. Amer Iqbal / Dr. Mohammad Reza Rahmati	
4	Advanced Number Theory	Dr. Babar Ahmed Qureshi	
5	Introduction to Manifolds	Dr. Hassan Azad	PhD
6	Advanced Topology	Dr. Amer Iqbal / Dr. Mohammad Reza Rahmati	
7	Homological Algebra	Dr. Afshan Sadiq	
8	Approximation in the Real and Complex Domain	Dr. Fiazud Din Zaman	