Scheme and Syllabus

Ph.D in Mathematics

IEC School of Basic & Applied Sciences

Atal Shiksha Nagar (Kallujhanda), P.O.

Mandhala, Village- Nanakpura,

Pinjore-Nalagarh highway, District- Solan,

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Course Scheme Ph.D. (MATHEMATICS)
Ph.D. (Common Syllabus First Semester)

Semester – I			
Compulsory Paper			
Course Code	**Paper**	**L**	**Credits**
RM-01	Research Methodology	4	4
RPE	Research and Publication Ethics	2	2

Optional Papers: A student will option two papers either from Stream– A or from Stream– B.

Optional	**Course Code**	**Paper**	**L**	**Credits**
	MATH-702	Mathematical Theory of Elasticity and Plasticity	5	5
	MATH-703	Mathematical Theory of Creep	5	5
	MATH-704	Hydrodynamic and Hydromagnetic Stability-I	5	5
	MATH-705	Hydrodynamic and Hydromagnetic Stability-II	5	5
	MATH-706	Advanced Optimization	5	5
	MATH-707	Fluid Mechanics	5	5
	MATH-708	Algebra	5	5
	MATH-709	Elements of Computational Techniques	5	5
	MATH-710	Topics in Topology	5	5
	MATH-711	Advanced Optimization	5	5
	MATH-712	Mechanics of Composite Materials	5	5
	MATH-713	Application Oriented Numerical Methods	5	5
		Total		15

Course Code	Paper	L	Credit
MATH-791	Dissertation (External)	-	18
	Seminar (Internal)	-	
MATH-792	Viva-Voce (External)	-	02
Total			20