

Programme Code: UGMATH, MATHEMATICS DEPARTMENT

2.3.1 Courses having correlation to Experiential Learning, Participative Learning and Problem solving methodology

Sl no	Program Name	Course Code	Title of the Course	Experiential Learning	Participative Learning	Problem solving	Remarks
1	B. Sc. Mathematics (Honours)	UGMATHCC01	Calculus, Geometry & Differential Equation & Practical	✓	✓	✓	
2	B. Sc. Mathematics (Honours)	UGMATHCC02	Algebra & Tutorial		✓	✓	
3	B. Sc. Mathematics (Honours)	UGMATHCC03	Real Analysis & Practical	✓	✓	✓	
4	B. Sc. Mathematics (Honours)	UGMATHCC04	Differential Equations & Vector Calculus & Practical	✓	✓	✓	
5	B. Sc. Mathematics (Honours)	UGMATHCC05	Theory of Real Functions & Introduction to Metric Spaces & Tutorial	✓	✓	✓	
6	B. Sc. Mathematics (Honours)	UGMATHCC06	Group Theory I & Tutorial	✓	✓	✓	
7	B. Sc. Mathematics (Honours)	UGMATHCC07	Numerical Methods		✓	✓	
8	B. Sc. Mathematics (Honours)	UGMATHCC08	Riemann Integration and Series of Functions	✓	✓	✓	
9	B. Sc. Mathematics (Honours)	UGMATHCC09	Multivariate Calculus	✓	✓	✓	
10	B. Sc. Mathematics (Honours)	UGMATHCC10	Ring Theory and Linear Algebra I	✓	✓	✓	
11	B. Sc. Mathematics (Honours)	UGMATHCC11	Partial Differential Equations and Applications & Practical	✓	✓	✓	
12	B. Sc. Mathematics (Honours)	UGMATHCC12	Group Theory II & Tutorial	✓	✓	✓	
13	B. Sc. Mathematics (Honours)	UGMATHCC13	Metric Spaces and Complex Analysis & Tutorial	✓	✓	✓	
14	B. Sc. Mathematics (Honours)	UGMATHCC14	Ring Theory and Linear Algebra II & Tutorial	✓	✓	✓	
15	B. Sc. Mathematics (Honours)	UGMATHDSE01	Linear Programming & Tutorial			✓	

S. S. S.
Principal

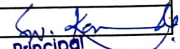
Sl no	Program Name	Course Code	Title of the Course	Experiential Learning	Participative Learning	Problem solving	Remarks
16	B. Sc. Mathematics (Honours)	UGMATHDSE02	Probability and Statistics & Tutorial	✓	✓	✓	
17	B. Sc. Mathematics (Honours)	UGMATHDSE03	Mechanics & Tutorial		✓	✓	
18	B. Sc. Mathematics (Honours)	UGMATHDSE04	Bio Mathematics & Practical	✓	✓	✓	
19	B. Sc. Mathematics (Honours)	UGMATHDSE05	Point Set Topology & Tutorial		✓	✓	
20	B. Sc. Mathematics (Honours)	UGMATHSEC01	Logic and Sets	✓	✓	✓	
21	B. Sc. Mathematics (General)	UGMATHGE01	Algebra & Tutorial		✓	✓	
22	B. Sc. Mathematics (General)	UGMATHGE02	Calculus, Geometry and Differential Equation & Tutorial	✓	✓	✓	
23	B. Sc. Mathematics (General)	UGMATHGE03	Numerical Methods & Tutorial		✓	✓	
24	B. Sc. Mathematics (General)	UGMATHGE04	Group Theory & Tutorial	✓	✓	✓	


 Principal
 Ramakrishna Mission
 Vivekananda Centenary College
 Rahara, Kolkata-700 118

Programme Code: PGMATH, MATHEMATICS DEPARTMENT

2.3.1 Courses having correlation to Experiential Learning, Participative Learning and Problem solving methodology

Sl no	Program Name	Course Code	Title of the Course	Experiential Learning	Participative Learning	Problem solving methodology	Remarks
1	M. Sc. Mathematics	PGMATHCC101	Algebra-I	✓	✓	✓	
2	M. Sc. Mathematics	PGMATHCC102	Real Analysis	✓	✓	✓	
3	M. Sc. Mathematics	PGMATHCC103	Complex Analysis	✓	✓	✓	
4	M. Sc. Mathematics	PGMATHCC104	Ordinary & Partial Differential Equations	✓	✓	✓	
5	M. Sc. Mathematics	PGMATHCC105	Numerical Analysis			✓	
6	M. Sc. Mathematics	PGMATHCC106	Computer Programming in C++ and Numerical Practical using GNU Octave/Scilab /Matlab		✓	✓	
7	M. Sc. Mathematics	PGMATHSS01	YOGA		✓		
8	M. Sc. Mathematics	PGMATHCC201	Algebra-II	✓	✓	✓	
9	M. Sc. Mathematics	PGMATHCC202	Measure and Integration	✓	✓	✓	
10	M. Sc. Mathematics	PGMATHCC203	General Topology	✓	✓	✓	
11	M. Sc. Mathematics	PGMATHCC204	Classical Mechanics & Theory of Relativity	✓	✓	✓	
12	M. Sc. Mathematics	PGMATHCC205	Linear Algebra & Multivariate Calculus	✓	✓	✓	
13	M. Sc. Mathematics	PGMATHCC206	Integral transforms and Integral Equations	✓	✓	✓	
14	M. Sc. Mathematics	PGMATHSS02	Communicative English		✓		
15	M. Sc. Mathematics	PGMATHCC301	Functional Analysis	✓	✓	✓	
16	M. Sc. Mathematics	PGMATHCC302	Dynamical System Analysis	✓	✓	✓	
17	M. Sc. Mathematics	PGMATHCE301	Advanced Real Analysis-I	✓	✓	✓	
18	M. Sc. Mathematics	PGMATHCE302	Advanced Complex Analysis-I	✓	✓	✓	
19	M. Sc. Mathematics	PGMATHCE303	Algebraic Topology-I	✓	✓	✓	
20	M. Sc. Mathematics	PGMATHCE304	Differential Manifold-I	✓	✓	✓	
21	M. Sc. Mathematics	PGMATHCE305	Cosmology-I		✓	✓	
22	M. Sc. Mathematics	PGMATHCE306	Mathematical Biology-I	✓	✓	✓	
23	M. Sc. Mathematics	PGMATHCE307	Operation Research-I	✓	✓	✓	
24	M. Sc. Mathematics	PGMATHCE308	Continuum Mechanics(Solid)-I	✓	✓	✓	
25	M. Sc. Mathematics	PGMATHAE301	Programming in PYTHON & LaTeX		✓	✓	


 Principal
 Ramakrishna Mission
 Vivekananda Centenary College
 Rahara, Kolkata-700 118

Sl no	Program Name	Course Code	Title of the Course	Experiential Learning	Participative Learning	Problem solving methodology	Remarks
26	M. Sc. Mathematics	PGMATHSS03	VE & IC		✓		
27	M. Sc. Mathematics	PGMATHCC401	Number theory	✓	✓	✓	
28	M. Sc. Mathematics	PGMATHCC402	Discrete Mathematics	✓	✓	✓	
29	M. Sc. Mathematics	PGMATHCE401	Advanced Real Analysis-II	✓	✓	✓	
30	M. Sc. Mathematics	PGMATHCE402	Advanced Complex Analysis-II	✓	✓	✓	
31	M. Sc. Mathematics	PGMATHCE403	Algebraic Topology-II	✓	✓	✓	
32	M. Sc. Mathematics	PGMATHCE404	Differential Manifold-II	✓	✓	✓	
33	M. Sc. Mathematics	PGMATHCE405	Cosmology-II	✓	✓	✓	
34	M. Sc. Mathematics	PGMATHCE406	Mathematical Biology-II	✓	✓	✓	
35	M. Sc. Mathematics	PGMATHCE407	Operation Research-II	✓	✓	✓	
36	M. Sc. Mathematics	PGMATHCE408	Continuum Mechanics(Fluid)-II	✓	✓	✓	
37	M. Sc. Mathematics	PGMATHCC403	Project Work** (Viva Voce + Dissertation)		✓	✓	
38	M. Sc. Mathematics	PGMATHSS04	Seminar Presentation		✓		


 Principal
 Ramakrishna Mission
 Vivekananda Centenary College
 Rahara, Kolkata-700 118

Programme Code: PHDMATH, MATHEMATICS DEPARTMENT

2.3.1 Courses having correlation to Experiential Learning, Participative Learning and Problem solving methodology

Sl no	Program Name	Course Code	Title of the Course	Experiential Learning	Participative Learning	Problem solving methodology	Remarks
1	Ph.D. Mathematics	PHDMATH01	Research Methodology	✓	✓	✓	
2	Ph.D. Mathematics	PHDMATH02	Computer Applications	✓	✓	✓	
3	Ph.D. Mathematics	PHDMATH03	Literature review	✓	✓	✓	
4	Ph.D. Mathematics	PHDMATH04	Algebraic Topology	✓	✓	✓	
5	Ph.D. Mathematics	PHDMATH05	Complex Analysis	✓	✓	✓	
6	Ph.D. Mathematics	PHDMATH06	Cosmology	✓	✓	✓	


Principal
Ramakrishna Mission
Vivekananda Centenary College
Rahara, Kolkata-700 118