

COMSATS Institute of Information Technology
Registrar Office, Principal Seat, Islamabad

No: CIIT-Reg/Notif-525/11/1291

September 05, 2011

Notification

Consequent upon the recommendations of the Board of Faculty of Science in its 10th meeting held on June 14, 2011 and subsequent approval of the Competent Authority in anticipation to the approval of the Board of Advanced Studies and Research (BASAR), the list of graduate courses of MS/PhD in Mathematics is hereby notified with effect from Fall 2011 for CIIT system.

List of Graduate Courses

Sr.	Course Code	Course Title	Credit Hours
1.	MTH601	Hilbert Space Methods	3(3, 0)
2.	MTH602	Optimization Theory	3(3, 0)
3.	MTH603	Perturbation Methods I	3(3, 0)
4.	MTH604	Fixed Point Theory and Applications	3(3, 0)
5.	MTH605	Numerical Solution of ODEs	3(3, 0)
6.	MTH606	Advanced Numerical Analysis	3(3, 0)
7.	MTH607	Numerical Linear Algebra	3(3, 0)
8.	MTH608	Approximation Theory and Applications	3(3, 0)
9.	MTH609	Advanced Partial Differential Equations	3(3, 0)
10.	MTH610	Variational Inequalities & Applications	3(3, 0)
11.	MTH611	Integral Inequalities	3(3, 0)
12.	MTH612	Numerical Solutions of PDEs I	3(3, 0)
13.	MTH615	Advanced Mathematical Statistics	3(3, 0)
14.	MTH616	Time Series Analysis and Forecasting	3(3, 0)
15.	MTH617	Linear Statistical Models	3(3, 0)
16.	MTH618	Advanced Topics in Graph Theory	3(3, 0)
17.	MTH619	Commutative Algebra	3(3, 0)
18.	MTH620	Advanced Topology I	3(3, 0)
19.	MTH621	Algebraic Topology	3(3, 0)
20.	MTH631	Topology	3(3, 0)
21.	MTH632	Geometric Function Theory	3(3, 0)
22.	MTH633	Advanced Convex Analysis	3(3, 0)
23.	MTH634	Advanced Modern Algebra with Applications	3(3, 0)
24.	MTH635	Theory of Groups	3(3, 0)

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Sr.	Course Code	Course Title	Credit Hours
25.	MTH636	Representation Theory of Finite Groups	3(3, 0)
26.	MTH637	Field Extensions and Galois Theory	3(3, 0)
27.	MTH638	Advanced Topology II	3(3, 0)
28.	MTH640	Differential Subordinations and Applications	3(3, 0)
29.	MTH641	Convolutions in Geometric Function Theory	3(3, 0)
30.	MTH651	Symmetry Methods in Differential Equations	3(3, 0)
31.	MTH661	Viscous Fluids I	3(3, 0)
32.	MTH662	Viscous Fluids II	3(3, 0)
33.	MTH663	Perturbation Methods II	3(3, 0)
34.	MTH664	Numerical Solutions of PDEs II	3(3, 0)
35.	MTH665	Heat Transfer	3(3, 0)
36.	MTH666	Elastodynamics	3(3, 0)
37.	MTH667	Fluid and Thermodynamics	3(3, 0)
38.	MTH668	Magnetohydrodynamics	3(3, 0)
39.	MTH669	Group Theoretic Methods	3(3, 0)
40.	MTH670	Advanced Analytical Dynamics	3(3, 0)
41.	MTH671	Momentum and Thermal Boundary Layer Theory	3(3, 0)
42.	MTH672	MHD and Porous Media	3(3, 0)
43.	MTH622	Mathematical Analysis	3(3, 0)
44.	MTH642	Semigroup Theory	3(3, 0)
45.	MTH625	Numerical Optimization	3(3, 0)
46.	MTH623	General Relativity	3(3, 0)
47.	MTH624	Probability Models and Application	3(3, 0)
48.	MTH650	Theory of Abel Grassmann's Groupoids	3(3, 0)
49.	MTH652	General Linear Model	3(3, 0)
50.	MTH653	Multivariate Analysis in Mathematics	3(3, 0)
51.	MTH673	Physical Turbulent Flows	3(3, 0)
52.	MTH699	MS Thesis	6(6, 0)
53.	MTH710	Numerical Methods for Variational Inequalities	3(3, 0)
54.	MTH761	Non-Newtonian Fluid Mechanics	3(3, 0)
55.	MTH762	Spectral Methods in Fluid Dynamics	3(3, 0)
56.	MTH763	Topics in Applied Mathematics	3(3, 0)
57.	MTH764	Topics in Pure Mathematics	3(3, 0)
58.	MTH765	Topics in Numerical Mathematics	3(3, 0)
59.	MTH766	Simple Linear Regression Model	3(3, 0)
60.	MTH767	Multiple Linear Regression Model	3(3, 0)

Sr.	Course Code	Course Title	Credit Hours
61.	MTH768	Topics in Mathematical Statistics	3(3, 0)
62.	MTH899	PhD Thesis	9(9, 0)



Nadeem Uddin Qureshi
Additional Registrar

Distribution:

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1. Registrar CIIT.
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