

Course Outcomes and Paper- wise Outcomes
Mathematics Hons. under Choice Based Credit System
 Introduced by University of Calcutta, 2018

Semester	Course Name	Course Detail	Outcome
1	Core Course-1	Calculus, Geometry, Vector Analysis	Able to write detailed solutions using appropriate mathematical language. Develop critical thinking skill.
	Core Course-2	Algebra	
	AECC-1 GE-1		
2	Core Course-3	Real Analysis	Enhancement the knowledge and the beautiful properties of Real number and also in higher dimension.
	Core Course-4	Group Theory-1	
	AECC-2 GE-2		
3	Core Course-5	Real Functions	Different kinds of laws can be formulaed. C prog. Reduces the gap between low-level and high level language
	Core Course-6	Ring Th & Linear Algebra-1	
	Core Course-7	ODE & Multivariate Calculus-1	
	SEC-A	C Prog / C++ Prog	
	GE_3		
4	Core Course-8	Riemann Integration & Series of functions	Simplest integral. Develop skill and conceptions.
	Core Course-9	PDE & Multivariate Cal-2	
	Core Course-10	Mechanics	
	SEC-B	Mathematical Logic/Scientific Computing with Sage Math & R	
	GE-4		
5	Core Course-11	Probability & Statistics	Gathered the knowledge of collecting, analyzing data. And conclusions can be drawn legitimately. One can find the process of finding optimal solutions under certain constraints
	Core Course-12	Group Th-2 & Linear Alg-2	
	DSE-A1	Ad. Algebra/Bio Maths/Industrial Maths	
	DSE-B1	Discrete Maths/L.P.P./ Boolean Alg & Automata Theory.	
6	Core Course-13	Metric Space & Complex Analysis	Develop the conception of the notion of usual distance to more general settings. One will has powerful and easy to use tools in complex variables. Numerical approach enables solution of a complex problem with a great number of very simple operation.
	Core Course-14	Numerical Methods	
	Core Course-14 Practical	Numerical Methods Lab	
	DSE-A2	Differential geometry/Mathematical Modelling/Fluid Statics & Dynamics	
	DSE-B2	Topology/Astronomy & Space Science/Advance Mechanics	