UNIVERSITY OF KERALA

Re-accredited by NAAC with A++ GRADE

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College Basket

College	: T K M College Of Arts Science (142)
Year of admission	: Batch 2025
Discipline	: FYUGP Mathematics (1037)

Category	Course Code	Course Name
Semester: 1		
DSC	UK1DSCMAT100	Foundations of Mathematics
DSC	UK1DSCMAT101	Differential Calculus and Linear Algebra
DSC	UK1DSCMAT102	Differentiation, Sequence and Series
DSC	UK1DSCMAT108	Differential Calculus
MDC	UK1MDCMAT100	Numerical Ability - I
Semester: 2		
DSC	UK2DSCMAT100	Theory of equations, Differential Calculus and Geometry
DSC	UK2DSCMAT103	Integral Calculus and Vectors
DSC	UK2DSCMAT104	Integral Calculus and Ordinary Differential Equations
DSC	UK2DSCMAT108	Integral Calculus and Series

MDC	UK2MDCMAT100	Numerical Ability- II

Semester: 3

DSC	UK3DSCMAT200	Integral Calculus and Foundations of Vector Calculus
DSC	UK3DSCMAT202	Group Theory and Probability
DSC	UK3DSCMAT207	Applications of Integration, Special Functions anfd Fourier Series
DSE	UK3DSEMAT201	Numerical Analysis
VAC	UK3VACMAT200	Introduction to Actuarial Mathematics

Semester: 4

DSC	UK4DSCMAT200	Introduction to Real Analysis and Multiple Integrals
DSC	UK4DSCMAT201	Partial Differentiation and Introduction to Abstract Algebra
DSE	UK4DSEMAT200	Elementary Graph Theory
INT	UK4INTMAT200	Summer Internship
SEC	UK4SECMAT200	Typesetting Documents with LATEX
VAC	UK4VACMAT200	Introduction to Mathematical Modeling

Semester: 5

DSC	UK5DSCMAT300	Differential Equations and Vector Calculus
DSC	UK5DSCMAT301	Real Analysis - I
DSC	UK5DSCMAT302	Abstract Algebra
DSE	UK5DSEMAT300	Intermediate Graph Theory

DSE	UK5DSEMAT303	Optimization Techniques	
SEC	UK5SECMAT300	Programming with Python	
Semester: 6			
DSC	UK6DSCMAT300	Real Analysis - II	
DSC	UK6DSCMAT301	Complex Analysis I	
DSC	UK6DSCMAT302	Linear Algebra	
DSE	UK6DSEMAT301	Partial Differential Equations	
DSE	UK6DSEMAT304	Integral Transforms	
SEC	UK6SECMAT300	Programming with R	
Semester: 7			
DSC	UK7DSCMAT400	Topology	
DSC	UK7DSCMAT401	Complex Analysis - II	
DSE	UK7DSEMAT401	Functional Analysis	
Semester: 8			
CIP	UK8CIPMAT400	Capstone project	