



Four Year Under Graduate Programme in Mathematics - FYUGP

COURSES OFFERED

- ✓ DISCIPLINE SPECIFIC CORE (DSC)
- ✓ DISCIPLINE SPECIFIC ELECTIVE (DSE)
- ✓ MULTI DISCIPLINARY COURSES (MDC)
- ✓ SKILL ENHANCEMENT COURSES (SEC)

FOR DETAILS CONTACT

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DEPARTMENT OF **MATHEMATICS** | **ST. JOHN'S**
COLLEGE, ANCHAL

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COURSE BASKET

DISCIPLINE SPECIFIC COURSES (DSC)

Course Code	Course Title	Credits	Sem	Course Coordinator
UK1DSCMAT100	Foundations of Mathematics	4	1	<u>Dr. Smitha Mary Mathew</u>
UK1DSCMAT106	Number Theory and Linear System of Equations	4	1	<u>Dr Dhanya Ramachandran</u>
UK1DSCMAT108	Differential Calculus	4	1	<u>Dr. Sunitha Grace Zacharia</u>
UK1DSCMAT109	Mathematics for Social Science I	4	1	<u>Dr. D S Dilip</u>
UK2DSCMAT101	Integration and Multivariate Calculus	4	2	<u>Dr. Smitha Mary Mathew</u>
UK2DSCMAT103	Integral Calculus and Vectors	4	2	<u>Dr Dhanya Ramachandran</u>
UK2DSCMAT106	Linear Algebra and Graph Theory	4	2	<u>Dr. Sunitha Grace Zacharia</u>



COURSE BASKET

DISCIPLINE SPECIFIC COURSES (DSC)

Course Code	Course Title	Credits	Sem	Course Coordinator
UK2DSCMAT107	Mathematics for Social Sciences - II	4	2	<u>Dr D S Dilip</u>
UK3DSCMAT202	Group Theory and Probability	4	3	<u>Dr Tony Philip</u>
UK3DSCMAT203	Numerical Analysis	4	3	<u>Dr Dhanya Ramachandran</u>
UK3DSCMAT206	Complex Analysis	4	3	<u>Dr Sunitha Grace Zacharia</u>
UK4DSCMAT200	Introduction to Real Analysis and Multiple Integrals	4	4	<u>Dr Smitha Mary Mathew</u>
UK4DSCMAT201	Partial Differentiation and Introduction to Abstract Algebra	4	4	<u>Dr Sibi C Babu</u>
UK5DSCMAT300	Differential Equations and Vector Calculus	4	5	<u>Dr Dhanya Ramachandran</u>



COURSE BASKET

DISCIPLINE SPECIFIC COURSES (DSC)

Course Code	Course Title	Credits	Sem	Course Coordinator
UK5DSCMAT301	Real Analysis - I	4	5	<u>Dr Smitha Mary Mathew</u>
UK5DSCMAT302	Abstract Algebra	4	5	<u>Dr. Sibi C Babu</u>
UK6DSCMAT300	Real Analysis - II	4	6	<u>Dr Smitha Mary Mathew</u>
UK6DSCMAT301	Complex Analysis I	4	6	<u>Dr Sunitha Grace Zacharia</u>
UK6DSCMAT302	Linear Algebra	4	6	<u>Dr Tony Philip</u>
UK7DSCMAT400	Topology	4	7	<u>Dr Smitha Mary Mathew</u>
UK7DSCMAT401	Complex Analysis - II	4	7	<u>Dr Sunitha Grace Zacharia</u>



COURSE BASKET

DISCIPLINE SPECIFIC ELECTIVES (DSE)

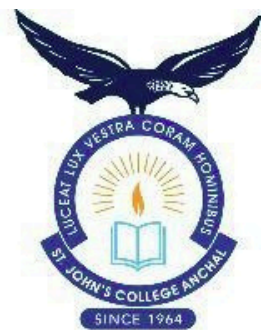
Course Code	Course Title	Credits	Sem	Course Coordinator
UK3DSEMAT200	Programming with LaTeX and Python	4	3	<u>Dr D S Dilip</u>
UK4DSEMAT202	Data Analysis using Python	4	4	<u>Dr Tony Philip</u>
UK5DSEMAT300	Intermediate Graph Theory	4	5	<u>Dr. Sunitha Grace Zacharia</u>
UK5DSEMAT303	Optimization Techniques	4	5	<u>Dr Dhanya Ramachandran</u>
UK6DSEMAT301	Partial Differential Equations	4	6	<u>Dr D S Dilip</u>
UK6DSEMAT304	Integral Transforms	4	6	<u>Dr Dhanya Ramachandran</u>
UK7DSEMAT409	Machine Learning using Python	4	7	<u>Dr Tony Philip</u>



COURSE BASKET

MULTI DISCIPLINARY COURSES (MDC)

Course Code	Course Title	Credits	Sem	Course Coordinator
UK1MDCMAT100	Numerical Ability - I	3	1	<u>Dr. Limaraj B P</u>
UK1MDCMAT101	Mathematical Thinking	3	1	<u>Dr Dhanya Ramachandran</u>
UK2MDCMAT100	Numerical Ability- II	3	2	<u>Dr. Limaraj B P</u>



COURSE BASKET

SKILL ENHANCEMENT COURSES (SEC)

Course Code	Course Title	Credits	Sem		Course Coordinator
UK4SECMAT200	Typesetting Documents with LaTeX	3	4		<u>Dr Smitha Mary Mathew</u>
UK5SECMAT300	Programming with Python	3	5		<u>Dr. Tony Philip</u>
UK6SECMAT300	Programming with R	3	6		<u>Dr D S Dilip</u>