



A division of St. Francis Methodist School

Curriculum Description for London Examinations GCE 'A' Level

Mathematics (8371)

Core Mathematics units C1 and C2 plus Statistics unit S1.

Mathematics (9371)

Core Mathematics units C1, C2, C3 and C4 plus Statistics units S1 and S2.

Summary of specification content headings

Core Mathematics

C1	Algebra and functions; coordinate geometry in the (x, y) plane; sequences and series; differentiation; integration.
C2	Algebra and functions; coordinate geometry in the (x, y) plane; sequences and series; trigonometry; exponential and logarithms; differentiation; integration. <i>Prerequisites:</i> A knowledge of the specification for C1 is assumed and may be tested.
C3	Algebra and functions; trigonometry; exponential and logarithms; differentiation. <i>Prerequisites:</i> A knowledge of the specification for C1 and C2 is assumed and may be tested.
C4	Algebra and functions; coordinate geometry in the (x, y) plane; sequences and series; differentiation; integration; vectors. <i>Prerequisites:</i> A knowledge of the specification for C1, C2 and C3 is assumed and may be tested.

Statistics

S1	Mathematics models in probability and statistics; representation and summary of data; probability; correlation and regression; discrete random variables; discrete distributions; the Normal distribution.
S2	The Binomial and Poisson distribution; continuous random variables; continuous distribution; sample; hypothesis tests. <i>Prerequisites:</i> A knowledge of the specification for S1, together with a knowledge of differentiation and integration of polynomials, binomial coefficients in connection with the binomial distribution and the evaluation of exponential functions is assumed and may be tested.

Title	Unit Code	Level	Method of Assessment
Core Mathematics C1	6663	AS	1 written paper
Core Mathematics C2	6664	AS	1 written paper
Core Mathematics C3	6665	A2	1 written paper
Core Mathematics C4	6666	A2	1 written paper
Statistics S1	6683	AS	1 written paper
Statistics S2	6684	A2	1 written paper

All units equally weight at $16\frac{2}{3}\%$

All examination papers of 1 hour 30 minutes

All questions should be attempted

All examination papers out of 75 marks