

St. Francis Xavier's College
2018/2019
Mathematics (Core)
Course Outline

Level: F.4

Term: 1

	Topics / Main Theme
1.	Number Systems (Ch.1)
2.	Equations of Straight Lines (Ch.6)
3.	Quadratic Equations in One Unknown (Ch.2)
4.	Introduction to Functions (Ch.3)
5.	Graphs of Quadratic Functions and their Applications (Ch.4)
6.	More about Polynomials (Ch.5)

Modes of Assessment and weighting:

Modes	Regular Tests	Designated Assignments	Performance in lessons	Examination
Weights	10%	-	-	90%

Term: 2

	Topics / Main Theme
1.	Exponential Functions (Ch.7)
2.	Logarithmic Functions (Ch.8)
3.	More about Equations (Ch.9)
4.	Trigonometric Functions (Ch.10)

Modes of Assessment and weighting:

Modes	Regular Tests	Designated Assignments	Performance in lessons	Examination
Weights	10%	-	-	90%

St. Francis Xavier's College
2018/2019
Mathematics (M1)
Course Outline

Level: F.4
Term: 1

	Topics / Main Theme
1	The Binomial Expansion (Ch. 1)
2	Exponential Functions (Core Math)
3	Logarithmic Functions (Core Math)
4	Exponential Functions and Logarithmic Functions (Ch. 2)
5	Limits and derivatives (Ch. 3)

Modes of Assessment and weighting:

Modes	Regular Tests	Designated Assignments	Performance in lessons	Examination
Weights	10%	-	10% (Quiz)	80%

Term: 2

	Topics / Main Theme
1	Differentiation (Ch. 4)
2	Application of Differentiation (Ch. 5)
3	Indefinite Integrals and its Applications (Ch. 6)
4	Definite Integrals (Ch. 7)
5	Application of Definite Integrals (Ch. 8)

Modes of Assessment and weighting:

Modes	Regular Tests	Designated Assignments	Performance in lessons	Examination
Weights	10%	-	10% (Quiz)	80%

St. Francis Xavier's College
2018/2019
Mathematics (M2)
Course Outline

Level: F.4
Term: 1

	Topics / Main Theme
1	Surds and Rationalization of Denominators (Ch.1)
2	Mathematical Induction (Ch.2)
3	Binomial Theorem (Ch.3)
4	Trigonometry (I) (Ch.4)
5	Trigonometry (II) (Ch.5)
6	Limits and the Number e (Ch.6)

Modes of Assessment and weighting:

Modes	Regular Tests	Designated Assignments	Performance in lessons	Examination
Weights	10%	-	10% (Quiz)	80%

Term: 2

	Topics / Main Theme
1	Differentiation (Ch.7)
2	Applications of Differentiation (Ch.8)

Modes of Assessment and weighting:

Modes	Regular Tests	Designated Assignments	Performance in lessons	Examination
Weights	10%	-	10% (Quiz)	80%