

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

Level: F.5
Term: 1

	Topics / Main Theme
1	Variations (Ch.7)
2	Basic Properties of Circles(I) (Ch. 11)
3	Basic Properties of Circles(II) (Ch. 12)
4	Applications of Trigonometry in 2-D problems (Ch. 2)
5	Locus (Ch. 3)
	Equations of Circles (Ch. 4)

Modes of Assessment and weighting:

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

Term: 2

	Topics / Main Theme
1	Permutation and Combination (Ch. 5)
2	More about Probability (Ch. 6)
3	More about Inequalities (Ch. 1)
4	Linear Programming (Ch. 8)
5	More about Graphs of Functions (Ch. 9)

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.5
Term: 1

	Topics / Main Theme
1	Permutation and Combination (Core Math)
2	More about Probability (Core Math)
3	Further Probability (Ch. 9)
4	Probability Distribution, Expectation and Variance (Ch. 10)

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	Discrete Probability Distribution (Ch. 11)
2	Continuous Random Variable and Normal Distribution (Ch. 12)
3	Sampling Distribution and Parameter Estimation (Ch. 13)

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.5

Term: 1

	Topics / Main Theme
1	Application of differentiation (Rate of Change) (Ch.8.8)
2	Indefinite Integration and its applications (Ch. 9)
3	Definite Integration (Ch. 10)

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	Applications of Definite Integration (Ch. 11)
2	Matrices and Determinants (Ch. 12)
3	System of Linear Equations (Ch. 13)

Modes of Assessment and weighting:

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