

St. Francis Xavier's College
2016/2017
Mathematics (Core)
Course Outline

Level: F.5
Term: 1

	Topics / Main Theme
1	Properties of Circles
2	Circles and Tangents
3	Applications of Trigonometry in 2-D problems
4	Locus
5	Equations of Circles

Modes of Assessment and weighting:

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

Term: 2

	Topics / Main Theme
1	Permutations and Combinations
2	More about Probability
3	More about inequalities
4	Linear Programming
5	More about graphs of functions
6	Measures of Dispersion (I)

Modes of Assessment and weighting:

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

St. Francis Xavier's College
2016/2017
Mathematics (M1)
Course Outline

Level: F.5
Term: 1

	Topics / Main Theme
1	Continuous Random Variables and Normal Distribution
2	Point Estimates and Sampling Distribution
3	Probability distribution, Expectation and Variance
4	Discrete Probability Distributions

Modes of Assessment and weighting:

Modes	Regular Tests	Chapter Test	Performance in lessons	Examination
Weights	10%	-	-	90%

Term: 2

	Topics / Main Theme
1	Continuous Random Variables and Normal Distribution
2	Point Estimates and Sampling Distribution

Modes of Assessment and weighting:

Modes	Regular Tests	Chapter Test	Performance in lessons	Examination
Weights	10%	-	-	90%

St. Francis Xavier's College
2016/2017
Mathematics (M2)
Course Outline

Level: F.5
Term: 1

	Topics / Main Theme
1	Applications of Differentiation
2	Indefinite Integration and its applications
3	Definite Integration

Modes of Assessment and weighting:

Modes	Regular Tests	Chapter Test	Performance in lessons	Examination
Weights	10%	-	-	90%

Term: 2

	Topics / Main Theme
1	Applications of Definite Integration
2	Matrices and Determinants
3	System of Linear Equations
4	Introduction of Vectors

Modes of Assessment and weighting:

Modes	Regular Tests	Chapter Test	Performance in lessons	Examination
Weights	10%	-	-	90%