

Week	Unit	Objectives/ tasks	Key Assessment
1	Bridging Unit	Complete Bridging Unit	Bridging Unit Test
2	Core 1	Surds and quadratic graphs Distance between 2 points	Quadratic factors Gradients of lines
3	Core 1	Quadratic factors and solving quadratic equations Midpoint and gradient of a line	
4	Core 1	Completing the square and quadratic formula Parallel and perpendicular lines	Quadratic Formula Equations of straight lines
5	Core 1	Solving quadratics and simultaneous equations Equation of a straight line	
6	Core 1	Sums with polynomials; factor and remainder theorem Equations of a circle	Revision Exercise 1

Week	Unit	Objectives/ tasks	Key Assessment
1	Core 1	Algebraic division Tangents and normals to circles	Revision Exercise 1
2	Core 1	Sketch graphs and translate curves Intersection a line and a curve	
3	Core 1 / Statistics 1	Gradient of a curve and general derivatives Mean, mode, median and sigma notation	Finding derivatives Intersection of a line and curve
4	Core 1 / Statistics 1	Differentiate polynomials and rate of JPange Mean of grouped data' quartiles and IQR	
5	Core 1 / Statistics 1	Tangents and Normals to curves Standard deviation and linear coding	Equations of tangents Standard deviation
6	Core 1 / Statistics 1	Applications of differentiation Basic probability and venn diagrams	
7	Core 1 / Statistics 1	Reversing differentiation Probability Trees	Revision exercise 4 Revision exercise 1

Week	Unit	Objectives/ tasks	Key Assessment
1	All modules	Area under a curve and function transformation Conditional probability	
2	Core 2 / Statistics 1	Converging sequences Application of binomial distribution	Core 1 past paper
3	Core 2 / Statistics 1	Arithmetic progression and series Binomial probability using the formula	Binomial probability
4	Core 2 / Statistics 1	Geometric progression and series Binomial probability using the tables	
5	Core 2 / Statistics 1	Binomial expansion and Sine rule Mean, variance and standard deviation	Standard deviation techniques
6	Core 2 / Statistics 1	Cosine rule and both together Continuous random variables	Revision Exercise 7

Week	Unit	Objectives/ tasks	Key Assessment
1	Core 2 / Statistics 1	Area of a triangle and radians	
		Probabilities of other normal distributions	
2	Core 2 / Statistics 1	Trigonometric graphs and ratios	Trigonometry graphs
		Using tables of percentage points	Probabilities using normal distributions
3	Core 2 / Statistics 1	Solving trigonometric equations	
		Mean, variance and standard deviation of a normal distribution	
4	Core 2 / Statistics 1	Indices and laws of logarithms	Laws of logarithms
		Sampling distribution of the mean	Normal standard deviation
5	Core 2 / Statistics 1	Differentiating fractional and negative indices	
		Central limit theorem and confidence intervals with known variances	
6	Core 2 / Statistics 1	Tangents and normals to curves	Revision Exercise 9
		Confidence intervals with unknown variance	Revision Exercise 5

Week	Unit	Objectives/ tasks	Key Assessment
1	Core 2 / Statistics 1	Stationary points	
		Product moment correlation coefficient	
2	Core 2 / Statistics 1	Increasing and decreasing functions	Increasing and decreasing functions
		Correlation and non-linear relationships	Correlation
3	Core 2 / Statistics 1	Area between two curves	
		Least square regression line	
4	All modules	Trapezium rule and revision	Trapezium Rule
		Prediction and extrapolation	Extrapolation
5	All modules	Revision for external examinations	
		Calculating residuals	
6	All modules	Revision for external examinations	Past Paper

Week	Unit	Objectives/ tasks	Key Assessment
1	Core 2	Revision for external examination (C1 - 17/5/17 and C2 - 24/5/17)	Students will complete past papers on all modules
2	Statistics 1	Revision for external examination (7/6/17)	