

2019 SENIOR COURSE INFORMATION

Subject
Head of Department

Mathematics
Colin Green

	Year 13 - Calculus	Year 13 - Statistics	Year 13 - Mathematics
Course Content	Trigonometric Methods Algebra and Complex Numbers Differentiation Integration Strongly advise to take if studying Y13 Physic	Time Series Bivariate Data Multivariate Data Statistical Reports Probability Distributions Probability Concepts	Linear Programming Time Series Statistical Reports Probability Distributions Simultaneous Equations Critical Path Analysis
Pre Requisites	Must have Algebraic Methods 2.6 Calculus Methods 2.7 Trigonometric Methods 2.4 Must have 16 credits	Must have good reading, writing and comprehension skills 14 credits at Level 2	This is a blend of Mathematics skills so requires only a little algebra knowledge 14 credits at Level 2
Assessment	Calculus Externals 3.5 Apply the algebra of complex numbers in solving problems 5 credits 3.6 Apply differentiation methods in solving problems 6 credits 3.7 Apply integration methods in solving problems 6 credits Internals 3.3 Apply trigonometric methods in solving problems 4 credits 21 credits	Statistics Externals 3.12 Evaluate statistically based reports 4 credits 3.13 Apply probability concepts in solving problems 4 credit 3.14 Apply probability distributions in solving problems 4 credits Internals 3.8 Investigate time series data 4 credits 3.9 Investigate bivariate measurement data 4 credits 3.10 Use statistical methods to make a formal inference 4 credits 24 credits	Mathematics Externals 3.12 Evaluate statistically based reports 4 credits 3.14 Apply probability distributions in solving problems 4 credits Internals 3.2 Apply linear programming methods in solving problems 3 credits 3.8 Investigate time series data 4 credits 3.9 Investigate bivariate measurement data 4 credits 3.15 Apply systems of simultaneous equations in solving problems 3 credits 22 credits
Students can opt for a double option of Calculus and Mathematics <u>OR</u> Calculus and Statistics <u>BUT CANNOT DO</u> Statistics and Mathematics.			
Costs	Class Workbook TBA Graphical Calculator	Class Workbooks TBA Graphics Calculator	Class Workbooks TBA Graphics Calculator