

**Comparison of Revised Senior Secondary Mathematics (Module 1) Curriculum Content (Consultation Document)
and Senior Secondary Mathematics (Module 1) Curriculum (with updates in November 2015) Content**

Learning Unit of current curriculum	Major revision			Learning Unit of revised curriculum	Notes about revision (LU: Learning Unit, LO: Learning Objective)
	Delete	Add	Reorganise/ Adjust		
5. Second derivative			✓	5. Second derivative	The related requirement of the Explanatory Notes for the current LU 6 that followed was moved to the remark of LO 5.2: “Students are required to recognise the second derivative tests and concavity”.
9. Approximation of definite integrals using the trapezoidal rule			✓	9. Approximation of definite integrals using the trapezoidal rule	The related requirement of the Explanatory Notes for LU 9 that followed was moved to the remarks of LO 9.1: “Students are required to determine whether an estimate is an over-estimate or under-estimate by considering the second derivative of the function and concavity.”
10. Conditional probability and independence			✓	10. Conditional probability and Bayes’ theorem	LU 10 “Conditional probability and independence” and LU 11 “Bayes’ theorem” were combined.
	✓				LO 10.1 “understand the concepts of independent events” was deleted.
	✓				LO 10.2 “use the laws $P(A \cap B) = P(A) P(B A)$ and $P(D C) = P(D)$ for independent events C and D to solve problems” was deleted.

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	Delete	Add	Reorganise/ Adjust		
13. Probability distribution, expectation and variance			✓	12. Probability distribution, expectation and variance	The related formulae in the Explanatory Notes for the current LU 13 that followed were moved to the remarks of LO 12.2: <ul style="list-style-type: none"> • $E[X] = \sum xP(X = x)$ • $\text{Var}(X) = E[(X - \mu)^2]$ • $E[g(X)] = \sum g(x)P(X = x)$ • $\text{Var}(X) = E[X^2] - (E[X])^2$
15. Geometric distribution	✓				LU 15 “Geometric distribution” was deleted.
21. Sampling distribution and point estimates	✓			19. Sampling distribution and point estimates	“recognise the concept of sample proportion” was deleted in LO 21.3.
23. Confidence interval for a population proportion	✓				LU 23 “Confidence interval for a population proportion” was deleted.