Comparison of the Revised Senior Secondary Mathematics (Module 1) Curriculum Content and the Current Senior Secondary Mathematics (Module 1) Curriculum Content

Learning Unit of Current Curriculum (With updates in November 2015)	Major revision			Learning Unit of Revised Curriculum (Implemented in September 2019)	Notes about revision (LU: Learning Unit, LO: Learning Objective)
	Delete	Add	Reorganise/ Adjust		
5. Second derivative			✓	5. Second derivative	The requirement in the Explanatory Notes for the original LU 6: "Students are required to recognise the second derivative tests and concavity" was moved to the Remarks of the LO 5.2.
9. Approximation of definite integrals using the trapezoidal rule			✓	9. Approximation of definite integrals using the trapezoidal rule	The requirement in the Explanatory Notes for the original LU 9: "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" was moved to the Remarks of the LO 9.1.
10. Conditional probability and independence 11. Bayes' theorem			✓	10. Conditional probability and Bayes' theorem	The original LU 10 "Conditional probability and independence" and the original LU 11 "Bayes' theorem" were combined. Students have to understand the concept of conditional probability, and by integrating the laws in the LU "More about probability" of the

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					Compulsory Part, they should understand that $P(A\|B) = P(A)$ and $P(B\|A) = P(B)$, when A and B are independent events, and vice versa.
13. Probability distribution, expectation and variance			✓	12. Probability distribution, expectation and variance	The formulae in the Explanatory Notes for the original LU 13: • $E[X] = \sum xP(X = x)$ • $\mathrm{Var}(X) = E\left[(X - \mu)^2\right]$ • $E[g(X)] = \sum g(x)P(X = x)$ • $\mathrm{Var}(X) = E\left[X^2\right] - (E[X])^2$ were moved to the Remarks of the LO 12.2.
15. Geometric distribution	✓				The original LU 15 "Geometric distribution" was deleted.
21. Sampling distribution and point estimates	✓			19. Sampling distribution and point estimates	"Recognise sample proportion" in the original LO 21.3 was deleted.
23. Confidence interval for a population proportion	✓				The original LU 23 "Confidence interval for a population proportion" was deleted.