

**Comparison of the Revised Senior Secondary Mathematics (Module 2) Curriculum Content
and the Current Senior Secondary Mathematics (Module 2) 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		
		✓		1. Odd and even functions	In the original LO 10.6, students were required to recognise the concepts of odd and even functions.
1. Surds	✓				The original LU 1 “Surd” was deleted.
4. More about trigonometric functions	✓			4. More about trigonometric functions	The original LO 4.2 “find arc lengths and areas of sectors through radian measure” was deleted.
	✓				“Understand their graphs” in the original LO 4.3 was deleted.
7. Differentiation	✓			7. Differentiation	Three formulae in the Remarks of the original LO 7.3: <ul style="list-style-type: none"> • $(\cot x)' = -\operatorname{cosec}^2 x$ • $(\sec x)' = \sec x \tan x$ • $(\operatorname{cosec} x)' = -\operatorname{cosec} x \cot x$ were deleted.
8. Applications of differentiation	✓			8. Applications of differentiation	“Find the equations of normals to a curve” in the original LO 8.1 was deleted.

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	Delete	Add	Reorganise /Adjust		
9. Indefinite integration	✓			9. Indefinite integration and its applications	Three formulae in the Remarks of the original LO 9.2: <ul style="list-style-type: none"> • $\int \operatorname{cosec}^2 x \, dx = -\cot x + C$ • $\int \sec x \tan x \, dx = \sec x + C$ • $\int \operatorname{cosec} x \cot x \, dx = -\operatorname{cosec} x + C$ were deleted.
			✓		In the Remarks of the original LO 9.5, “ $\sqrt{x^2 - a^2}$ or $\sqrt{a^2 + x^2}$ ” was replaced by “ $\frac{1}{\sqrt{a^2 - x^2}}$ or $\frac{1}{x^2 + a^2}$ ”.
10. Definite integration	✓			10. Definite integration	“Understand the properties of periodic functions” in the original LO 10.6 was deleted.
12. Determinants	✓			12. Determinants	In the original LO 12.1, “recognise the properties of determinants of order 2 and order 3” was deleted.
14. Systems of linear equations	✓			14. Systems of linear equations	“The wording <i>necessary and sufficient conditions</i> could be introduced to students” in the Remarks of the original LO 14.1 was deleted.

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	Delete	Add	Reorganise /Adjust		
16. Scalar product and vector product	✓			16. Scalar product and vector product	“Introducing the concepts and the properties of scalar triple products” in the Remarks of the original LO 16.2 was deleted.
17. Applications of vectors	✓			17. Applications of vectors	“Applying scalar triple products to find the volume of a parallelepiped” in the Remarks of the original LO 17.1 was deleted.