2017 A level Further Mathematics: Draft Structure/Assessment

Specification	Assessment	Compulsory Further Pure	Optional components
AQA	3 × 2 hours 2 Further Pure, 1 Applied	- Proof - Complex numbers - Matrices - Further algebra & functions - Further calculus - Further vectors - Polar coordinates - Hyperbolic functions - Differential equations - Trigonometry - Numerical methods - Coordinate geometry	1 examination, students select 2 out of 3 sections from Discrete, Mechanics and Statistics
Edexcel	4 × 1 hour 30 minutes 2 Compulsory Pure, 2 Optional	- Proof - Complex numbers - Matrices - Further algebra & functions - Further calculus - Further vectors - Polar coordinates - Hyperbolic functions - Differential equations	2 optional units, each with a separate examination, from: - Further Pure 3 - Further Pure 4 - Mechanics 1 - Mechanics 2 - Statistics 1 - Statistics 2 - Decision 1 - Decision 2
MEI	- 2 hour 40 minutes (Further Pure) - 2 hour 15 minutes (major) - 1 hour 15 minutes (minor)* *or* - 2 hour 40 minutes (Further Pure) - 3 × 1 hour 15 minutes (minor)* *1 hour 45 minutes for FPT	- Complex numbers - Matrices - Proof by induction - Sums of standard series - Method of differences - Maclaurin series - Further vectors - Calculus (including polar coordinates) - Hyperbolic functions - Differential equations	1 major and 1 minor option or 3 minor options, each with a separate examination, from: *Major options* - Mechanics - Statistics *Minor options* - Mechanics - Statistics - Modelling with algorithms - Numerical methods - Extra pure - Further pure with technology
OCR 'A'	4 × 1 hour 30 minutes 2 Pure, 2 options	- Proof - Complex numbers - Matrices - Vectors - Algebra - Series - Hyperbolic functions - Further calculus - Polar coordinates - Differential equations	2 optional units, each with a separate examination, from: - Statistics - Mechanics - Discrete Mathematics - Additional Pure Mathematics

These tables are provided for guidance only. For further details please see the full specifications and sample assessment materials:

AQA: **aqa.org.uk/subjects/mathematics/as-and-a-level**

Edexcel: **qualifications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.html**

MEI: **ocr.org.uk/qualifications/as-a-level-gce-further-mathematics-b-mei-h635-h645-from-2017/**

OCR 'A': **ocr.org.uk/qualifications/as-a-level-gce-further-mathematics-a-h235-h245-from-2017/**