

2017 AS level Further Mathematics: Structure/Assessment

Specification	Assessment structure	Compulsory Further Pure topics	Optional components
AQA	2 × 1 hour 30 minutes 1 Pure, 1 Applied	<ul style="list-style-type: none"> - Proof - Complex numbers - Matrices - Further algebra and functions - Further calculus - Further vectors - Polar coordinates - Hyperbolic functions 	1 examination, students select 2 out of 3 sections from Discrete, Mechanics and Statistics
Edexcel	2 × 1 hour 40 minutes 1 Compulsory Pure, 1 Paper covering 2 options	<ul style="list-style-type: none"> - Proof - Complex numbers - Matrices - Further algebra and functions - Further calculus - Further vectors 	1 Paper covering 2 options from: <ul style="list-style-type: none"> - Further Pure 1 and Further Pure 2 - Further Pure 1 and Statistics 1 - Further Pure 1 and Mechanics 1 - Further Pure 1 and Decision 1 - Statistics 1 and Mechanics 1 - Statistics 1 and Decision 1 - Statistics 1 and Statistics 2 - Mechanics 1 and Decision 1 - Mechanics 1 and Mechanics 2 - Decision 1 and Decision 2
MEI	3 × 1 hour 15 minutes 1 Pure, 2 options	<ul style="list-style-type: none"> - Complex numbers - Matrices - Proof by induction - Sums of standard series - Vectors 	2 options, each with a separate examination, from: <ul style="list-style-type: none"> - Mechanics a - Statistics a - Modelling with algorithms - Numerical methods - Mechanics b - Statistics b
OCR A	3 × 1 hour 15 minutes 1 Pure, 2 options	<ul style="list-style-type: none"> - Proof - Complex numbers - Matrices - Vectors - Algebra 	2 optional units, each with a separate examination, from: <ul style="list-style-type: none"> - 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/

2017 A level Further Mathematics: Structure/Assessment

Specification	Assessment structure	Compulsory Further Pure topics	Optional components
AQA	3 x 2 hours 2 Further Pure, 1 Applied	<ul style="list-style-type: none"> - Proof - Complex numbers - Matrices - Further algebra & functions - Further calculus - Further vectors - Polar coordinates - Hyperbolic functions - Differential equations - Trigonometry - Numerical methods 	1 examination, students select 2 out of 3 sections from Discrete, Mechanics and Statistics
Edexcel	4 x 1 hour 30 minutes 2 Compulsory Pure, 2 Optional	<ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - Further Pure 1 - Further Pure 2 - 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 x 1 hour 15 minutes (minor)* *1 hour 45 minutes for FPT	<ul style="list-style-type: none"> - 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: <i>Major options</i> <ul style="list-style-type: none"> - Mechanics - Statistics <i>Minor options</i> <ul style="list-style-type: none"> - Mechanics - Statistics - Modelling with algorithms - Numerical methods - Extra pure - Further pure with technology
OCR A	4 x 1 hour 30 minutes 2 Pure, 2 Options	<ul style="list-style-type: none"> - Proof - Complex numbers - Matrices - Vectors - Algebra - Series - Hyperbolic functions - Further calculus - Polar coordinates - Differential equations 	2 optional units, each with a separate examination, from: <ul style="list-style-type: none"> - Statistics - Mechanics - Discrete Mathematics - Additional Pure Mathematics

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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/