

Revision (5–6 weeks from exam)

Session	Topic	Subtopic	Important Lessons	Done
1	Stage 1 Mathematics Revision	Student Can Elect Relevant Areas for Revision		<input type="radio"/>
2	Stage 1 Mathematics Revision	Student Can Elect Relevant Areas for Revision		<input type="radio"/>
3	Topic 1: Further Differentiation and Applications	Introductory Differential Calculus	<u>Equations of Tangents and Normals to a Curve</u>	<input type="radio"/>
		Differentiation Rules	<u>Differentiation Rules - Practise Question</u>	<input type="radio"/>
		Exponential Functions	<u>Differentiating Non-E Exponential Functions</u>	<input type="radio"/>
		Trigonometric Functions	<u>Differentiating Trigonometric Functions From First Principles</u>	<input type="radio"/>
		The Second Derivative	Harder Exam-Style Differentiation Practice (<u>Part 1</u>) and (<u>Part 2</u>)	<input type="radio"/>
4	Topic 2: Discrete Random Variables	Discrete Random Variables	<u>Properties of Discrete Random Variables</u>	<input type="radio"/>
		The Bernoulli Distribution	<u>Bernoulli Random Variables</u>	<input type="radio"/>
		Repeated Bernoulli Trials and the Binomial Distribution	Binomial Distribution - Exam Application (<u>Part 1</u>) and (<u>Part 2</u>)	<input type="radio"/>
5	Topic 3: Integral Calculus	Anti-Differentiation	<u>Reverse Chain Rule</u>	<input type="radio"/>
		The Area Under Curves	<u>Area Between Two Curves, Areas About the Y-Axis</u>	<input type="radio"/>
		Fundamental Theorem of Calculus		<input type="radio"/>
		Applications of Integration		<input type="radio"/>
6	Topic 4: Logarithmic Functions	Using Logarithms for Solving Exponential Equations	<u>Logarithmic Laws</u>	<input type="radio"/>
		Logarithmic Functions and Their Graphs		<input type="radio"/>
		Calculus of Logarithmic Functions	<u>Integrating to the Natural Logarithm, Exam Style Question on Exponentials and Logarithms</u>	<input type="radio"/>
7	Topic 5: Continuous Random Variables and the Normal Distribution	Continuous Random Variables	<u>Properties of Continuous Random Variables</u>	<input type="radio"/>
		Normal Distributions	<u>Probability of Observing a Value Less or Greater Than a Given Score,</u> <u>Probability of Observing a Value Between Two Scores</u>	<input type="radio"/>
		Sampling	<u>The Normal Approximation for the Sample Proportion</u>	<input type="radio"/>
8	Topic 6: Sampling and Confidence Intervals	Confidence Intervals for a Population Mean	<u>Calculating and Interpreting a Confidence Intervals for an Unknown Population Mean</u>	<input type="radio"/>
		Population Proportions	<u>Using the Normal Approximation for the Sample Proportion</u>	<input type="radio"/>
		Confidence Intervals for a Population Proportion		<input type="radio"/>

Practice (3–4 weeks from exam)

Session	Topic	Subtopic	Confidence	Done
9	Topic 1: Further Differentiation and Applications	Introductory Differential Calculus	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Differentiation Rules	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
10		Exponential Functions	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Trigonometric Functions	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		The Second Derivative	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
11	Topic 2: Discrete Random Variables	Discrete Random Variables	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		The Bernoulli Distribution	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Repeated Bernoulli Trials and the Binomial Distribution	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
12	Topic 3: Integral Calculus	Anti-Differentiation	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		The Area Under Curves	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Fundamental Theorem of Calculus	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Applications of Integration	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
13	Topic 4: Logarithmic Functions	Using Logarithms for Solving Exponential Equations	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Logarithmic Functions and Their Graphs	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Calculus of Logarithmic Functions	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
14	Topic 5: Continuous Random Variables and the Normal Distribution	Continuous Random Variables	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
15		Normal Distributions	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Sampling	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
16	Topic 6: Sampling and Confidence Intervals	Confidence Intervals for a Population Mean	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Population Proportions	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Confidence Intervals for a Population Proportion	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>