

# (Not) my first Beamer document

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# Section 1

## Level 1 modules

# About Level 1

Hello!

# About Level 1

Hello! Welcome to the School of Mathematics and Statistics.

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Hello! Welcome to the School of Mathematics and Statistics. The following are the first-year modules for single-honours students.

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- MAS110 Mathematics Core I

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- MAS110 Mathematics Core I
- MAS111 Mathematics Core II

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- MAS110 Mathematics Core I
- MAS111 Mathematics Core II
- MAS112 Vectors and Mechanics



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- MAS110 Mathematics Core I
- MAS111 Mathematics Core II
- MAS112 Vectors and Mechanics
- MAS113 Introduction to Probability and Statistics

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- MAS110 Mathematics Core I
- MAS111 Mathematics Core II
- MAS112 Vectors and Mechanics
- MAS113 Introduction to Probability and Statistics
- MAS114 Numbers and Groups

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- MAS110 Mathematics Core I
- MAS111 Mathematics Core II
- MAS112 Vectors and Mechanics
- MAS113 Introduction to Probability and Statistics
- MAS114 Numbers and Groups
- MAS115 Mathematical Investigation Skills

## Section 2

### Level 2 modules

## About Level 2

At Level 2 there are the following modules choices.

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- MAS211 Advanced Calculus and Linear Algebra

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- MAS211 Advanced Calculus and Linear Algebra
- MAS212 Scientific Computing and Simulation

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- MAS211 Advanced Calculus and Linear Algebra
- MAS212 Scientific Computing and Simulation
- MAS220 Algebra



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- MAS211 Advanced Calculus and Linear Algebra
- MAS212 Scientific Computing and Simulation
- MAS220 Algebra
- MAS221 Analysis

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- MAS211 Advanced Calculus and Linear Algebra
- MAS212 Scientific Computing and Simulation
- MAS220 Algebra
- MAS221 Analysis
- MAS222 Differential Equations

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- MAS211 Advanced Calculus and Linear Algebra
- MAS212 Scientific Computing and Simulation
- MAS220 Algebra
- MAS221 Analysis
- MAS222 Differential Equations
- MAS223 Statistical Inference and Modelling

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At Level 2 there are the following modules choices.

- MAS211 Advanced Calculus and Linear Algebra
- MAS212 Scientific Computing and Simulation
- MAS220 Algebra
- MAS221 Analysis
- MAS222 Differential Equations
- MAS223 Statistical Inference and Modelling
- MAS275 Probability Modelling

## About Level 2

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- MAS211 Advanced Calculus and Linear Algebra
- MAS212 Scientific Computing and Simulation
- MAS220 Algebra
- MAS221 Analysis
- MAS222 Differential Equations
- MAS223 Statistical Inference and Modelling
- MAS275 Probability Modelling
- MAS279 Career Development Skills

## About Level 2

At Level 2 there are the following modules choices.

- MAS211 Advanced Calculus and Linear Algebra
- MAS212 Scientific Computing and Simulation
- MAS220 Algebra
- MAS221 Analysis
- MAS222 Differential Equations
- MAS223 Statistical Inference and Modelling
- MAS275 Probability Modelling
- MAS279 Career Development Skills
- MAS280 Mechanics and Fluids

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- MAS211 Advanced Calculus and Linear Algebra
- MAS212 Scientific Computing and Simulation
- MAS220 Algebra
- MAS221 Analysis
- MAS222 Differential Equations
- MAS223 Statistical Inference and Modelling
- MAS275 Probability Modelling
- MAS279 Career Development Skills
- MAS280 Mechanics and Fluids
- MAS281 Probability and Statistics in Society

## Section 3

# Famous mathematical results



# The infinitude of primes

## Theorem

*There are infinitely many prime numbers.*

# The infinitude of primes

## Theorem

*There are infinitely many prime numbers.*

## Proof.

# The infinitude of primes

## Theorem

*There are infinitely many prime numbers.*

## Proof.

This is covered in MAS114.



## Section 4

# Mathematical scripts

# Python

The following is a basic Python script which adds together two numbers.

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```
a = input("Number 1? ")  
b = input("Number 2? ")  
print("Sum =",a+b)
```

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The following is a basic Python script which adds together two numbers.

```
a = input("Number 1? ")  
b = input("Number 2? ")  
print("Sum =",a+b)
```

Copy and paste into the Python interpreter IDLE to run the script.