

## Statistics Department – Part B courses

Part B courses in 2024-25 are expected to be those listed below – the same as 2023-24.

### Michaelmas and Hilary Term

SB1 Applied and Computational Statistics (double-unit) – 13 lectures MT, 13 lectures HT

- Practicals: 4 assessed practicals (2MT, 2HT), plus 1 introductory practical session
- Assessment: exam (2½ hours, 66%) plus practicals (34%)
- SB1 must be taken as a double-unit

### Michaelmas Term

- SB2.1 Foundations of Statistical Inference

### Hilary Term

- SB2.2 Statistical Machine Learning
- SB3.1 Applied Probability

**MATHS students:** can take Applied Probability (which counts as a Maths unit for Maths students) plus up to 2 other statistics units.

**MATHS & STATS students:** SB1 Applied Statistics (double-unit) is compulsory. Students also need to take at least 2 of SB2.1/2.2/3.1.

For current course descriptions and course material see:

<https://canvas.ox.ac.uk/courses/224077/pages/year-3-part-b>

## Statistics Department – Part C courses

Part C courses in 2024-25 are expected to be those listed below.

Compared to 2023-24 we expect:

- Algorithmic Foundations of Learning will return and run in MT
  - A new course Climate Statistics will run in HT
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### Michaelmas Term

- Stochastic Models in Mathematical Genetics
- Probability and Statistics for Network Analysis
- Graphical Models
- Probability on Graphs and Lattices
- Algorithmic Foundations of Learning

### Hilary Term

- Advanced Topics in Statistical Machine Learning
- Advanced Simulation Methods
- Bayes Methods
- Topics in Computational Biology
- Climate Statistics

**MATHS students:** can take up to 2 statistics units.

**MATHS & STATS students:**

- a statistics dissertation (worth 2 units) is compulsory.
- need to take at least 2 other statistics units (so that at least 4 of their units are statistics units). *Probabilistic Combinatorics* counts as a statistics unit for Maths & Stats students.

For current course descriptions and course material see:

<https://canvas.ox.ac.uk/courses/224077/pages/year-4-part-c>