

The Further Mathematics Support Programme

## **Upskilling for the 2017 Maths A Level: from S1 to Statistics**

**A half day course preparing S1 teachers for the compulsory statistics content that is new to them.**

**University of Hertfordshire, Bayfordbury Campus, SG13 8LD  
Monday 26th June 2017 9:00am – 1:00pm**



**This course is for teachers that have taught S1 from one of the current modular specifications but have not covered some additional content that is now required for A level Mathematics.**

### **Course aims:**

- To introduce teachers to statistics topics that are new to them
- To provide teachers with an opportunity to discuss teaching strategies and student misconceptions
- To give teachers time to work on tasks that develop understanding

### More information

Delegates will be expected to be familiar with the S1 topics namely: analysing data using calculations and diagrams to inform conclusions, calculating correlation coefficients, the Binomial Distribution and the Normal Distribution that are common to most modular specifications. Delegates should be familiar with the concept of hypothesis testing but detailed knowledge or experience teaching this topic is not essential.

The course will include the following topics:

- Working with Large Data Sets
- Hypothesis testing for Correlation Coefficients
- Hypothesis testing for Sample Means

### Timetable for the day:

|       |  |
|-------|--|
| 09:00 | Registration and refreshments                      |
| 09:30 | Working with Large Data Sets                       |
| 10:30 | Hypothesis testing for the correlation coefficient |
| 11:00 | Break  |
| 11:15 | Hypothesis testing for the sample mean             |
| 12:15 | Plenary and next steps                             |
| 12:30 | Close  |

**Venue:** Regional Science Learning Centre, Bayfordbury Observatory, Bayfordbury, Hertford, SG13 8LD

<http://www.herts.ac.uk/bayfordbury/bayfordbury-observatory/visit-bayfordbury-observatory/where-to-find-bayfordbury-observatory>

### Course fees and application:

Fees for this course are £30 for schools registered with the FMSP. Delegates who also wish to attend the afternoon session “Upskilling for the 2017 Maths A Level: from M1 to Mechanics” may attend both for a combined fee of £50.

To apply, please complete the online form at: <https://goo.gl/forms/cFrVqVTB20PhCSOH3>

### Further information

Details about this course and other courses can be found at: [http://furthermaths.org.uk/EE\\_CPD](http://furthermaths.org.uk/EE_CPD)

For more information email: [valpritchard@furthermaths.org.uk](mailto:valpritchard@furthermaths.org.uk)