



## **CPD for supporting students with the mathematics of STEP**

**A one-day course focusing on  
ideas and techniques useful in  
STEP/MAT/AEA mathematics**

## The Further Mathematics Support Programme

### Provisional Programme

0900	Arrival and coffee
0930	STEP/MAT/AEA
1000	Algebra
1100	Break
1115	Curve Sketching
1215	Lunch
1300	Trigonometry
1400	Calculus
1500	Other topics
1530	Day ends

### Course leader

Martyn Quigley

*Martyn was formerly a teacher of mathematics in Birmingham before moving into the university sector. He has been a lecturer in mathematics and mathematics education at seven universities in five countries. He currently works in the School of Mathematics at the University of Birmingham where he teaches part time as well as being the FMSP coordinator for Birmingham and Solihull.*

**28<sup>th</sup> March 2017**

## University of Birmingham

### CPD for supporting students with the mathematics of STEP

#### Course aims and description

This course will be of interest to teachers who would like to gain some familiarity with STEP/MAT/AEA examinations to help prepare students in their schools who have an interest in taking these examinations. The day consists of sessions on the following four topics:

- algebra (including advanced work with polynomials),
- curve sketching (which will encompass problems involving differentiation and differential equations),
- trigonometry (this will include questions involving integration), and
- calculus, and other topics as time permits.

Throughout the day there is an emphasis on helping students to

- have the confidence to explore questions,
- build a knowledge-base of useful techniques, facts and insights, and
- produce high-quality written explanations of solutions.

#### Course fees

The course is £50 for teachers from state schools/colleges registered with the FMSP. To book a place on this course please visit the on-line shop at:

<http://shop.bham.ac.uk/conferences-and-events/college-of-engineering-physical-sciences/school-of-mathematics/fmsp-supporting-students-with-step>

Please note bookings open on 20 January and close on 21 March.

For further enquires or information please contact

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