

the **Further Mathematics** Support Programme

**D1 REVISION DAY: Tuesday 14<sup>th</sup> December 2010**  
**Centre for Mathematical Sciences, University of Cambridge**

**Aims of the day**

- Summarise and highlight the key topics of the D1 module
- Work through exam style questions and provide students with tips and advice on exam techniques
- Provide students with a revision pack containing summary sheets for each topic and past paper questions and full written solutions.
- Help students to identify the topics that they need to focus on for further revision
- Provide students with an opportunity to visit a University campus

**Revision Day tutors:**

- **Sue De Pomerai**, Further Mathematics Support Programme and Decision Mathematics examiner.
- **Sharon Tripconey**, Area Coordinator, FMSP, University of Cambridge

Timing	Programme	
0945 –1000	Arrival and registration (in Central Core at CMS)	
1000-1010	<b>Welcome and introduction</b>	
1010-1040	<b>1. Graphs</b> ( <i>Edexcel, OCR, AQA &amp; MEI</i> )	
1040-1120	<b>2. Networks: Minimum connector and shortest path</b> ( <i>Edexcel, OCR, AQA &amp; MEI</i> )	
1120-1135	<b>Break-</b> refreshments will be available	
1135-1210	<b>3. Algorithms</b> ( <i>Edexcel, OCR, AQA &amp; MEI</i> )	
1210-1245	<b>4. Graphical Linear Programming</b> ( <i>Edexcel, OCR, AQA &amp; MEI</i> )	
1245-1330	<b>Lunch – bring your own</b>	
1330-1400	<b>5a. Critical Path Analysis</b> ( <i>MEI &amp; Edexcel</i> )	<b>5b. Travelling Salesperson</b> ( <i>AQA &amp; OCR</i> )
1400-1430	<b>6a. Simulation (MEI) or LP Simplex (OCR)</b>	<b>6b. Matchings</b> ( <i>Edexcel &amp; AQA</i> )
1430-1500	<b>5. Route Inspection</b> ( <i>Edexcel, AQA &amp; OCR</i> )	
1500- 1520	<i>Exam advice and depart</i>	

## Additional Information

**Food and Refreshments:** A cold drink and biscuits will be provided at the break. Students are expected to provide their own lunch.

**Getting to the venue:** A map and directions is available at: <http://www.cms.cam.ac.uk/visiting/>

**On arrival:** Please register on arrival, where revision packs will be issued. *Please note that these packs are specific to a particular exam board and will be ordered on receipt of a booking; late applicants may not receive their packs on the day however, packs will be posted at a later date soon after the event.*

**The cost for the day is as follows:**

- **Free** for students currently receiving tuition through the **Further Mathematics Support Programme**.
- **£15.00** for students from schools registered with the FMSP. Registration is annual and it is free for a teacher representative at a school/college to register: <http://www.furthermaths.org.uk/Eregister.php>
- **£20.00** per student otherwise
- Teachers are encouraged to attend and teacher places are **free**.

**Booking:** Please reserve places using the online booking form available at:  
[http://www.furthermaths.org.uk/centre/EastEngland3.php?view\\_info=true#rev1](http://www.furthermaths.org.uk/centre/EastEngland3.php?view_info=true#rev1)

### Payment:

It is preferred that payment is made in advance by cheque. However, it is possible to bring payment to the reception desk on the revision day or arrange for an invoice to be sent to your school.

Please send advanced payments to Margaret Bull, Centre for Mathematical Sciences, Wilberforce Road, Cambridge, CB3 0WA. Please make cheques payable to 'University of Cambridge' cheques to any other payee cannot be accepted. It would be helpful to indicate (e.g. on the back of the cheque) who the payment is from and the number of students that the payment is for.

**Teachers are responsible for complying with their school/college regulations regarding trips for students.**

Please contact Margaret Bull (details below) if there is any information that you think we might be able to help with.

### Enquiries:

Margaret Bull

tel: 01223 764777

email: [furthermaths@maths.cam.ac.uk](mailto:furthermaths@maths.cam.ac.uk)

*The Further Mathematics Support Programme (FMSP) is a government-funded initiative. It is managed by **MEI**, an independent educational charity. The University of Cambridge is the fund-holder for the FMSP in the East of England, working with other universities to support Further Mathematics provision in Bedfordshire, Cambridgeshire, Hertfordshire, Luton and Peterborough.*