

## Exploring the Transition from A level study to Undergraduate study

This questionnaire is designed to inform subsequent research into the problems that face students as they embark on a degree course which has some mathematical content. Suggestions will be used sensitively help to develop materials to hopefully support students make the transition from sixth form to university study. The research team would therefore be grateful if you could help by filling in the following data sheet.

Generally, the initial part of the questionnaire is designed to gain an insight into your background and motivation for studying mathematics in the sixth form, then the following sections ask a series of questions regarding your experiences of sixth form study, and subsequently at university.

### Gender \*

- Female  
 Male

### Why did you choose to study mathematics at A level? \*

I felt I was good at GCSE Mathematics and wanted to continue to study it.

### Why did you choose to study mathematics at A level? \*

- I felt I was good at GCSE Mathematics and wanted to continue to study it.
- I felt I was good at GCSE Mathematics and wanted to continue to study it.
- I wanted to study a course at university that required it
- I thought it was good idea after receiving careers advice.
- It is an important qualification for future job opportunities
- My parents thought it was a good idea
- I enjoy mathematics

### Grade at GCSE \*

A\*

## Your experience of studying mathematical content in the sixth form

The following questions are designed to gain an insight into your experiences. I would be grateful if you could be specific in any comments you make regarding the nature of the teaching and learning that you felt were appropriate.

### When did you complete your sixth form study? \*

- June 2008  
 June 2009  
 June 2010  
 June 2011  
 Other:

### Please give some details regarding your level of mathematics studied during the sixth form \*

If you studied the IB or indeed any other equivalent qualification such as Scottish Highers, please click other and clearly specify your course accordingly

- AS Mathematics  
 A2 Mathematics  
 AS Further Mathematics  
 A2 Further Mathematics  
 Other:

### Using the headings listed in the previous question, please state the qualifications (not individual modules) and each grades you were awarded at the end of the sixth form \*

If you have just completed your sixth form courses and are awaiting your grades please state below your predicted grades.

### What was the average size of your sixth form A level Mathematics classes?

### Describe one aspect of the teaching of the A level Mathematics course which you enjoyed.

Describe one aspect of the teaching that you would change if you could.

How would you describe the style of teaching at sixth form level?

If you studied with the Further Maths Support Programme, please give details of the nature of the support you received from the Further Maths Support programme FMSP (formerly Further Maths Network FMN) \*

In the box below please provide details describing the different ways in which FMSP (or FMN) helped you develop your understanding of A2 Further maths concepts, or through enrichment events

How was FMSP material you encountered different from the material you received in your maths lessons? \*

Are there any aspects of the delivery of FMSP (FMN) material which gave you skills which have proved particularly useful in your undergraduate studies? Yes / No If Yes, please describe below. \*

If you are about to start your course at university, please consider how the FMSP material might have engendered different strategies for learning mathematical concepts and self study

## Choosing courses at University

This section is designed to provide some details regards your motivation for your choice of undergraduate course at university.

State the university you either study at or your first choice of university you have applied to. \*

State your undergraduate course. \*

Why did you choose to study this course? \*

## Introduction to the course

In this section please indicate if you have received any induction support from your chosen institution and comment on any useful information, materials or advice you have received in preparation for the start of your course

To aid your transition onto the course, did you receive any mathematical support before you began the course?

- Yes  
 No

If so please describe the nature of the support below

When considering your transition from A level to undergraduate study, do you have any advice for any students about to finish their A levels and embark on their undergraduate studies, to help smooth their transition.

This is really your thoughts on what universities could/should be doing to help students settle successfully into the course.

## Your experience of studying mathematical content at undergraduate level

This section should only be filled in by students currently completing undergraduate courses, or those who have completed their course. Students currently awaiting results please omit this page.

Have you completed your degree course?

- Yes  
 No

If you answered "No" above, please state your current year of study

If you are currently studying an undergraduate course, describe the nature of the mathematical content you have received this year at university.

Please list any mathematical components/modules you have learned this year.

In terms of teaching and learning of mathematical content, in your own words, how does material covered differ from how you learned A level material in mathematics.

Describe one aspect of the delivery of the mathematical content of your course at university which you enjoyed.

Describe one aspect of the delivery of the mathematical content of your course that you would change if you could.

While completing the content of your mathematics course, do you know if the university have any specific support mechanisms in place to help students gain an understanding of the material being covered.

- Yes
- No

If yes, have you taken advantage of this available support?

- Yes
- No

If you completed the previous question, please explain your answer below

Describe one aspect of the delivery of the mathematical content of your course that you would change if you could.

While completing the content of your mathematics course, do you know if the university have any specific support mechanisms in place to help students gain an understanding of the material being covered.

- Yes
- No

If yes, have you taken advantage of this available support?

- Yes
- No

If you completed the previous question, please explain your answer below

**Edit confirmation** ✕

Thanks!

Your response has been recorded.

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