



**The Mathematical Association of New South Wales**  
Kent Road Public School  
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## HSC LECTURES

### The University of Sydney: Monday 13 July 2009

Our very popular lectures for HSC students will be offered again this year, at all levels of Mathematics from General Mathematics to Mathematics Extension 2 .

Students may choose to attend a **two and a half hour session** in the Mathematics course they are studying. These lectures are intended as revision and examination preparation, students should have had some school experience of the topic they choose to attend.

- Mathematics and Extension 1 students have a range of topics offered.
- Extension 2 students will be offered a comprehensive coverage, broken into two sessions, each covering different topics.
- General Mathematics will have a morning and an afternoon session, each covering different major topic areas so students may choose to go to only one or to both sessions. Practice with specific technology will not be able to be provided.

Our lectures are excellent value

- \$44.00 (incl GST) **per. session for students from MANSW Institutional Member schools**
- \$55.00 (incl GST) **per. session for students from non-member schools.**

Our lecturers are highly regarded mathematics educators with HSC marking experience. There will be a limited number students in any one lecture. Students will be given individual tickets for their chosen session(s), and **may not change their minds on the day**, as space is limited in each session.

Included with this flyer are:

- student choice form
- school summary sheet

**Please have students give a First and Second choice.**

COMPLETED STUDENT CHOICE FORMS AND SCHOOL SUMMARY SHEET, TOGETHER WITH ONE PAYMENT, ISSUED BY SCHOOL, SHOULD BE RETURNED TO THE MANSW OFFICE BY **FRIDAY 5 JUNE 2009**

**Important, please note:**

We **DO NOT** accept multiple cheques from parents as payment and you are not registered until you receive your Confirmation and Receipt – if in doubt please check with the MANSW office.



*The Mathematical Association of New South Wales*

**HSC LECTURES  
Monday 13 July 2009**

**TAX INVOICE  
ABN 31 164 921 721**

**SCHOOL SUMMARY SHEET**

School: \_\_\_\_\_

Address: \_\_\_\_\_

Postcode: \_\_\_\_\_

Contact teacher: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

COURSE	TOPIC AREA(S)	Number of students
Extension 2	Comprehensive Coverage Part A ****	
Extension 1	Inverse Functions and Inverse Trigonometric Functions	
Extension 1	Ext 1 Integration	
Extension 1	Mathematical Induction and Ext 1 Inequalities	
Mathematics	Differentiation and its Applications	
Mathematics	Quadratic Functions, Parabola and Locus	
Mathematics	Sequences and Series and applications	
General Mathematics	Algebraic modelling & Probability	
General Mathematics	Data analysis & Measurement	
General Mathematics	Financial Mathematics	
Extension 2	Comprehensive Coverage Part B ****	
Extension 1	Applications of Calculus to the Physical World	
Extension 1	Counting Techniques, Probability and Binomial Theorem	
Extension 1	Parametric Parabola	
Mathematics	Trigonometric Functions including Applications	
Mathematics	Integration and its Applications	
Mathematics	Quadratic Functions, Parabola and Locus	
General Mathematics	Algebraic modelling & Probability	
General Mathematics	Data analysis & Measurement	
General Mathematics	Financial Mathematics	

\*\*\*\* *The Extension 2 Comprehensive Coverage* is intended to give a coverage of syllabus topics across the day. Usually students would choose BOTH Parts A & B.

**Total number of students:** \_\_\_\_\_

**COST** Please give school membership number if claiming Institution Member discount \_\_\_\_\_

**Institutional Member schools only:** ...students @ \$44.00 (incl GST) per student per session \$ \_\_\_\_\_

**Non-institutional Member schools:** ...students @ \$55.00 (incl GST) per student per session \$ \_\_\_\_\_

**Amount enclosed:** \$ \_\_\_\_\_

Please return this sheet, together with individual student choice forms and total payment, by **Friday 5 June 2009**  
to: MANSW Office, PO Box 339, NORTH RYDE NSW 1670

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The University of Sydney  
Monday 13 July 2009

STUDENT CHOICE FORM  
(one form per student)

Name: \_\_\_\_\_

School: \_\_\_\_\_

Please select two for each session, numbered in order of preference.

We will try to give you your first choice.

**Session 1: 10.00 am to 12.30pm**

COURSE	TOPIC AREA(S)	CHOICE
Extension 2	Comprehensive Coverage Part A ****	
Extension 1	Inverse Functions and Inverse Trigonometric Functions	
Extension 1	Extension 1 Integration	
Extension 1	Mathematical Induction and Ext 1 Inequalities	
Mathematics	Differentiation and its Applications	
Mathematics	Quadratic Functions, Parabola and Locus	
Mathematics	Sequences and Series and applications	
General	Algebraic modelling & Probability	
General	Data analysis & Measurement	
General	Financial Mathematics	

**Session 2: 1:30 pm to 4:00pm**

COURSE	TOPIC AREA(S)	CHOICE
Extension 2	Comprehensive Coverage Part B ****	
Extension 1	Applications of Calculus to the Physical World	
Extension 1	Counting Techniques, Probability and Binomial Theorem	
Extension 1	Parametric Parabola	
Mathematics	Trigonometric Functions including Applications	
Mathematics	Integration and its Applications	
Mathematics	Quadratic Functions, Parabola and Locus	
General	Algebraic modelling & Probability	
General	Data analysis & Measurement	
General	Financial Mathematics	

\*\*\*\* The *Extension 2 Comprehensive Coverage* is intended to give a coverage of syllabus topics across the day. Usually students would choose BOTH Parts A & B.