The School of Mathematics and Applied Statistics (SMAS) at the University of Wollongong (UOW) is pleased to present Mathematics HSC Preparation Workshops.

**MATHEMATICS HSC PREPARATION WORKSHOPS**

**WHEN IS IT?**
July and October school holidays

**WHERE IS IT?**
UOW’s Moss Vale Education Centre

**WHAT IS IT?**
Four three-hour workshops in Maths and Extension 1
(see overleaf for details)

**AIM**
To explain the concepts behind the formulae and work through typical exam questions

**PRESENTER**
Richard Kenderdine:
→ UOW Tutor and maths and stats resource developer
→ BSc (Pure and Applied maths), GradDipAppSc (Industrial Maths), MAppStats
→ currently undertaking a PhD in Statistics at UOW

**COST**
FREE of charge

**STUDENTS SHOULD BRING**
→ Pens and paper
→ Calculator
→ Morning or afternoon tea

**REGISTRATION**
Due to limited places, registration by 12th June for the July Workshop and 18th September for the October Workshop is essential.
Register with Ms Joell Hall via email joell_hall@uow.edu.au or phone 02 4221 3845.
Include in this email:
→ Your full name and address
→ Which workshops you wish to attend (1-8)
→ Name of your School
→ HSC Maths course being studied
→ Courses you are interested in at University

**CONTACT**
Enquiries to Richard Kenderdine at richardk@uow.edu.au
## JULY PROGRAM

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Subject</th>
<th>Topics</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 July</td>
<td>9:30 – 12:30</td>
<td>Mathematics</td>
<td>→ Series&lt;br&gt;→ Applications of series&lt;br&gt;→ Geometrical Applications of Calculus Pt 1</td>
</tr>
<tr>
<td>14 July</td>
<td>9:30 – 12:30</td>
<td>Extension 1</td>
<td>→ Extension trigonometry&lt;br&gt;→ Hyperbolic inequalities&lt;br&gt;→ Integration by substitution&lt;br&gt;→ Circle properties&lt;br&gt;→ Induction&lt;br&gt;→ Parametric equations and locus problems</td>
</tr>
<tr>
<td>16 July</td>
<td>9:30 – 12:30</td>
<td>Mathematics</td>
<td>→ Geometrical Applications of Calculus Pt 2&lt;br&gt;→ Integration</td>
</tr>
<tr>
<td>17 July</td>
<td>9:30 – 12:30</td>
<td>Extension 1</td>
<td>→ Polynomials&lt;br&gt;→ Inverse functions</td>
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## OCTOBER PROGRAM

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Subject</th>
<th>Topics</th>
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<tbody>
<tr>
<td>9 Oct</td>
<td>9:30 – 12:30</td>
<td>Mathematics</td>
<td>→ Trigonometric functions&lt;br&gt;→ Logarithmic and exponential functions</td>
</tr>
<tr>
<td>9 Oct</td>
<td>13:15 – 16:15</td>
<td>Extension 1</td>
<td>→ Binomial Theorem&lt;br&gt;→ Probability</td>
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<tr>
<td>16 Oct</td>
<td>9:30 – 12:30</td>
<td>Mathematics</td>
<td>→ Probability&lt;br&gt;→ Applications of Calculus to the Physical World</td>
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<tr>
<td>16 Oct</td>
<td>13:15 – 16:15</td>
<td>Extension 1</td>
<td>→ Applications of Calculus</td>
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## MATHS DEGREES AT UOW

The School of Mathematics and Applied Statistics offers BMath and BMathEd as standard degrees, BMathFin and BMath(Adv) as more intensive courses plus BMath, BCompSc and BMath, LLB as combined degrees.

For further information visit: [www.uow.edu.au/informatics/maths](http://www.uow.edu.au/informatics/maths)

## DEGREES AT MOSS VALE

Bachelor degrees on offer include the Bachelor of Commerce, and Bachelor of Arts (Community, Culture & Environment) combined with other majors.

For further information visit: [http://mvale.uow.edu.au](http://mvale.uow.edu.au)