



Thursday 13 February 2014					
9:15-9:45	<p>Registration Eastern Ave Foyer</p>				
	<p>Opening Session Eastern Ave Lecture Theatre</p>				
9:45-10:10	<p>Welcome and Introductions: A/Prof. Adam Bridgeman, Associate Dean Teaching and Learning, Faculty of Science, The University of Sydney. Introduction to FYiMaths: Why we are here, Dr. Deborah King, FYiMaths Project Leader, Assistant Dean (Undergraduate Programs) The University of Melbourne. Deans' Address: Prof. Trevor Hambley, Dean of Science, The University of Sydney.</p>				
10:10-11:00	<p>Keynote Presentation: Prof. Ian Chubb, Chief Scientist of Australia.</p>				
11:00-11:30	<p>Morning Tea Eastern Ave Foyer</p>				
11:30-12:00	<p>Plenary 1: Presentation. Assumed knowledge recommended studies and STEM students at UTS. Dr. Layna Groen, School of Mathematical Sciences, University of Technology Sydney.</p>				
12:00-13:00	<p>Presentations: Challenges and Initiatives for mathematics in STEM disciplines.</p> <ol style="list-style-type: none"> 1. Jackie Nicholas, Mathematics Learning Centre, University of Sydney. 2. A/Prof. Katherine Seaton, Department of Mathematics and Statistics, La Trobe University. 3. Dr. Danica Solina, UTS: Insearch. 4. Dr. Irene Penesis, National Centre for Maritime Engineering and Hydrodynamics, Australian Maritime College, University of Tasmania. 5. Jo-ann Larkins, School of Applied Sciences and Engineering, Federation University. 6. A/Prof. Carmel Coady and Dr. Ragbir Bhathal, School of Computing, Engineering and Mathematics, University of Western Sydney. 				
13:00-14:00	<p>Lunch Eastern Ave Foyer</p>				
14:00-14:45	<p>Plenary 2: Presentation - The challenges facing chemistry. Speakers:</p> <ol style="list-style-type: none"> 1. Dr Glennys O'Brien, School of Chemistry, University of Wollongong. 2. Dr. Gwen Lawrie, School of Chemistry and Molecular Biosciences, University of Queensland. 				
14:45-15:30	<p>Discipline Groups discussion <i>In discipline based groups participants will discuss their students' maths background.</i></p> <p>Key questions for consideration are: <i>What is the maths background of students? How does this impact on teaching? What is the impact of having assumed knowledge requirements for maths? What would be the ideal maths preparation in each discipline? What would be the implications of changing current requirements?</i></p> <p><i>Participants will be asked to keep notes of key issues, in order to contribute to Day 2 discussions.</i></p>				
	Eastern Ave Seminar Room 403	Eastern Ave Seminar Room 404	Eastern Ave Seminar Room 405	Eastern Ave Seminar Room 406	Eastern Ave Lecture Theatre
	<p>Chemistry <i>Facilitator: A/Prof. Adam Bridgeman</i></p>	<p>Physics <i>Facilitator: A/Prof. Leon Poladian</i></p>	<p>Biology/Life Sciences <i>Facilitator: Dr. Gerry Rayner</i></p>	<p>Engineering/IT <i>Facilitator: TBC</i></p>	<p>Mathematics <i>Facilitator: TBC</i></p>
15:30-16:00	<p>Afternoon Tea Eastern Ave Foyer (Sign up for discussion groups for Day 2)</p>				



present

A National Forum on
ASSUMED KNOWLEDGE IN MATHS: ITS BROAD IMPACT ON TERTIARY STEM PROGRAMS

16:00-17:00	<p>Plenary 3: Presentation and Discussion What can we do as tertiary educators to influence student choices at high school, concerning maths subjects? A/Prof. Kim Beswick, President of Australian Association of Mathematics Teachers. Dr. Deborah King, FYiMaths Project Leader, Assistant Dean (Undergraduate Programs) The University of Melbourne.</p>
17:00-17:45	<p>Drinks Eastern Ave Foyer</p>
18:30-10:30	<p>Forum dinner at The Grandstand No. 1 Oval, The University of Sydney.</p>

Friday 14 th February 2014					
<p>Opening Session Eastern Ave Lecture Theatre</p>					
9:30-10:15	<p>Keynote Speaker: Prof. Terry Speed, Senior Principal Research Scientist and head of the Bioinformatics Division, Walter and Eliza Hall Institute of Medical Research, Melbourne, Australia.</p>				
10:15-10:45	<p>Prof. Jo Ward, Dean of Science, Curtin University An overview of the issues raised in discussions on Day 1 and setting the scene for further group discussion.</p>				
10:45-11:15	<p>Morning Tea Eastern Ave Foyer</p>				
11:15-12:00	<p>Plenary 4: Diagnostic testing for students entering degree programs Presenters: 1. Michael Jennings, Mathematics, University of Queensland. 2. Dr. Janelle Wilkes, School of Environmental & Rural Science, University of New England.</p>				
12:00-13:00	<p>Activity and Discussion groups <i>In groups participants will be asked to develop strategies to address the issues raised during the forum and the needs of a particular STEM disciplines, identifying the impediments and possible ways to address these in each discipline.</i></p>				
	Eastern Ave Seminar Room 403	Eastern Ave Seminar Room 404	Eastern Ave Seminar Room 405	Eastern Ave Seminar Room 406	Eastern Ave Seminar Room 311
13:00-14:00	<p>Lunch Eastern Ave Foyer</p>				
14:00-14:45	<p>Discussion Session report back. Eastern Avenue Lecture Theatre.</p>				
14:45-15:05	<p>Plenary 5: Mathematical skills of final year students in life sciences. Presenter: Kelly Matthews, Teaching and Educational Development Institute, University of Queensland. Discussion session report back. Eastern Ave Lecture Theatre</p>				
15:05-15:30	<p>Afternoon Tea Eastern Ave Foyer</p>				
15:30-16:30	<p>Prof. John Rice, Executive Director, Australian Council of Deans of Science. Dr. Deborah King, FYiMaths Project Leader, University of Melbourne. Eastern Ave Lecture Theatre</p> <ul style="list-style-type: none"> • Interpretation and reflection on the discussions/presentations. • What can you do in your institution? • What we can do to help as a network to move the debate forward? 				
16:30-17:30	<p>Drinks and canapés Eastern Ave Foyer</p>				

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