



Australian Society of Animal Production
- **Southern NSW Branch**
and
NSW Farmers Association

Higher School Certificate Agriculture Seminar

“The HSC syllabus in perspective: 2010”

Monday May 3rd
4.30-8.00pm

The Kings School auditorium,
Centre for Learning and Leadership

Located in front of the Recreational Field and adjacent to the Bursars Office
See <http://www.kings.edu.au/about/schoolMapBig.html> for a map (Ref: C13)

Pennant Hills Rd, North Parramatta NSW

Program and speakers

4.30 pm **Feeding frenzy – determining the nutritional requirements of animals and formulating diets**

Dr Alex Chaves, Senior Lecturer in Animal Nutrition, Faculty of Veterinary Science, University of Sydney.

Relevant HSC Syllabus area:

- *Animal production systems*
- *the similarities and differences in the anatomy and physiology of ruminants and monogastrics*
- *the nutritional requirements of a selected animal*

5pm **Optimising experimental design to obtain meaningful results**

Dr Navneet Dhand, Lecturer in Veterinary Biostatistics and Epidemiology, Faculty of Veterinary Science, University of Sydney.

Relevant HSC Syllabus area:

- *Experimental analysis and research in plant/animal systems*
- *the role of a control, randomisation, replication and standardisation of conditions*
- *the collection and analysis of data*
- *impact of research on agricultural production systems.*

5.30pm **Breeding bonanza – increasing reproductive performance**

Dr Pietro Celi, Senior Lecturer in Ruminant Production and Health, Faculty of Veterinary Science, University of Sydney.

Relevant HSC Syllabus area:

- *Animal production systems*
- *breeding systems and their genetic basis to improve quality and production of animals*
- *the role of hormones in the regulation of animal reproduction and behaviour*
- *the factors that limit the fertility of farm animals.*

6pm **Dinner**

6.45pm **Welfare warriors – what is the future for animal production?**

TBC

Relevant HSC Syllabus area:

- *Animal production systems*
- *ethics, welfare and legal issues and requirements.*

7.15pm **Controlling on-farm chemical use – the need for safe and effective strategies**

TBC

Relevant HSC Syllabus area:

- *Microbes and invertebrates*
 - *the problems of pesticides and chemical resistance in target organisms*
 - *the importance of agricultural chemical labels as they relate to safe practice and correct usage*
 - *the use and potential for integrated pest management (IPM)*

8.00pm **Finish**

COST: \$10/ person

This includes a sensational steak sandwich (vegeburgers for vegetarians), drink and notes on the seminars. Thanks to, The Kings School Ag Department for cooking the BBQ.

RSVP: Thursday the 29th of April

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**It is essential that we have an accurate number for catering purposes by this date.
Please inform us of those requiring a vegetarian meal.**