

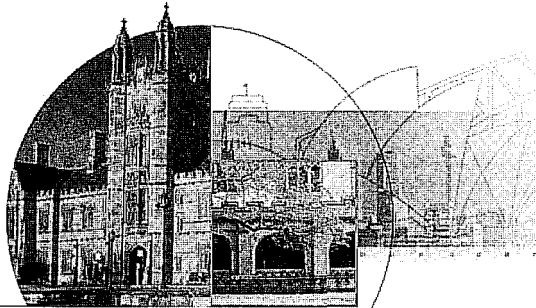


The University of Sydney

Faculty of Veterinary Science Handbook 2001



About the University
Study at Sydney
International
Research & Consultancy
Colleges, Faculties
& Departments
Alumni, Community
and Schools
News & Events



EXAM TIMETABLES - please click here for information

Quick Links

Search Phonebook Index Comments

PG Courses Database INTRANET USYDnet

The University's web site details courses at Sydney, some careers they can lead to, and what university life is like. The interactive site, with video and sound clips, has links to the University's faculties and departments. You can explore the University of Sydney on the web at www.usyd.edu.au.

Communications should be addressed to:
The University of Sydney, NSW 2006.
Phone: (02) 9351 2222
Faculty of Veterinary Science
Phone: (02) 9351 2441
Fax: (02) 9351 3056

Semester and vacation dates 2001

First Semester lectures begin	Monday 26 February
Intra-semester recess	
Last day of lectures (Years 4-5)	Friday 6 April
Last day of lectures (Years 1-3)	Thursday 12 April
Lectures resume (Years 1-3)	Monday 23 April
Lectures resume (Years 4-5)	Monday 30 April
Study vacation: 1 week beginning	Monday 11 June
Examinations commence	Monday 18 June
First Semester ends (Years 4-5)	Saturday 23 June
First Semester ends (Years 1-3)	Saturday 30 June
Second Semester lectures begin	Monday 23 July
Intra-semester recess	
Last day of lectures (Years 4-5)	Friday 31 August
Last day of lectures (Years 1-3)	Friday 14 September
Lectures resume (Years 4-5)	Monday 24 September
Lectures resume (Years 1-3)	Tuesday 2 October
Study vacation: 1 week beginning	Monday 5 November
Examinations commence	Monday 12 November
Second Semester ends (Years 4-5)	Saturday 23 November
Second Semester ends (Years 1-3)	Saturday 1 December

Last dates for withdrawal or discontinuation 2001

<i>Semester 1 units of study</i>	
Last day to add a unit of study	Friday 9 March
Last day for withdrawal	Friday 30 March
Last day to discontinue without failure (DNF)	Friday 13 April
Last day to discontinue (Discontinued - Fail)	Friday 8 June
<i>Semester 2 units of study</i>	
Last day to add a unit of study	Friday 3 August
Last day for withdrawal	Thursday 30 August
Last day to discontinue without failure (DNF)	Friday 7 September
Last day to discontinue (Discontinued - Fail)	Friday 2 November
<i>Full year units of study</i>	
Last day for withdrawal	Friday 30 March
Last day to discontinue without failure (DNF)	Friday 27 July
Last day to discontinue (Discontinued - Fail)	Friday 2 November

Academic year information (Academic Board policy and dates 1998-2002) is available at:
www.usyd.edu.au/su/planning/policy/acad/3_0aca.html

The University of Sydney
Faculty of Veterinary Science Handbook 2001
© 2000 The University of Sydney
ISSN 1034-2710

The information in this handbook is subject to approval and/or change by the appropriate faculty or the University. Students should always check the accuracy of the information with faculty staff.

Produced by the Publications Office, The University of Sydney.
Design, layout and database publishing by Neologica
Print & Promotions, Surry Hills NSW, neologica@email.com.
Printed by Printing Headquarters, NSW.

Cover illustration by Bozena Jantulik, Department of Veterinary Anatomy and Pathology.

Contents

Welcome from the Dean	iv
1. Guide to the Faculty	1
2. Introduction to undergraduate courses	3
Bachelor of Veterinary Science, BVSc	3
Bachelor of Science (Veterinary), BSc(Vet)	3
Units of study	3
3. Units of study	5
Bachelor of Veterinary Science units of study	5
Year 1	5
Year 2	6
Year 3	8
Year 4	10
Year 5	11
Bachelor of Science (Veterinary) units of study	13
4. Table of units of study	15
5. Regulations	19
Bachelor of Veterinary Science, BVSc	19
Bachelor of Science (Veterinary), BSc(Vet)	20
Regulations	21
Assessment	22
6. Postgraduate information	25
Postgraduate scholarships	26
7. Other Faculty information	29
Faculty Office	29
General information and advice	29
Staff	31
Faculty	31
Departments	31
Teaching staff from other faculties	33
Undergraduate scholarships and prizes	33
Facilities and student societies	34
History of the Faculty	36
New Bachelor of Veterinary Science (BVSc)	37
General University information	39
Glossary	45
Index	55
Maps	58
Map of main campus	58
Map of Camden campus	60

Welcome from the Dean

Congratulations on your selection into the Faculty of Veterinary Science. I know that for many of you, commencing Veterinary Science represents the fulfilment of a dream of training to become a Veterinarian. The staff in the Faculty want to ensure that you have the best possible learning experience and we are committed to assisting you in the years ahead. The University also provides a wide range of services for helping students who may experience medical, financial, emotional or learning difficulties. The Sub-Dean for Student Welfare and the Faculty Manager are able to help you make contact with these services.

One of our most important considerations is the care and welfare of animals. During your years in the Faculty you will be working with a range of animal species and at all times we have obligations to ensure the highest standards of care for our animals. Later in the course you will be involved in the University Veterinary Centres in Sydney and Camden. There you will take part in the treatment of production and companion animals under the supervision of experienced veterinarians. Our clinics also employ many veterinarians with specialist qualifications and you will be trained in state of the art methods of diagnosis and treatment of animal diseases.

In this handbook you will find descriptions of study requirements for the Bachelor of Veterinary Science degree, as well as for graduate degrees within the Faculty. While most of our graduates find satisfying careers in clinical practice, the broad knowledge and skills acquired during the five years can open up a wide range of careers. One of these areas is research and the Faculty provides an opportunity for students to interrupt their studies after the third or fourth year of their course to undertake one year of supervised study in some area of interest. Successful completion of a small thesis embodying the results of this research leads to the award of a Bachelor of Science (Veterinary) degree. Over the past five years, more than 20 students have completed this degree and found it to be one of the most satisfying things that they have done. The requirements for this one-year degree are described in this handbook.



Knowledge in the broad area of Veterinary Science is expanding at a prodigious rate. To deal with this there is an ongoing curriculum review and our aim is to give you the tools to undertake independent learning, which will need to continue after you graduate. You also will be asked to provide regular evaluation of your courses, which is very important if we are to ensure that we can provide you with the very best possible teaching and learning opportunities.

On behalf of all the staff, I warmly welcome you to the Faculty and to your first step in becoming professional colleagues in what is a noble task - the care and treatment of animals.

A handwritten signature in black ink, which appears to read 'Reuben J. Rose'. The signature is written in a cursive, flowing style.

Reuben J. Rose, Dean.

Guide to the Faculty

Faculty of Veterinary Science

Address:
Faculty of Veterinary Science B01
University of Sydney NSW 2006 Australia
Phone: (02) 9351 2441/3550
Fax: (02) 9351 3056
Email: vetsci@vetsci.usyd.edu.au
<http://www.usyd.edu.au/su/vetfac>

Dean

Professor Reuben J. Rose

Pro-Dean

Associate Professor Wayne L. Bryden

Associate Deans

Animal Welfare

Dr Robert J. Dixon

Camden Campus

Associate Professor Garry M. Cross

Postgraduate Education

Associate Professor Frank W. Nicholas

Research

Dr Herman W. Raadsma

Teaching

Dr G. Henry Collins

Sub-Deans

Students

Dr Rhondda B. Canfield

Undergraduate Admissions

Dr Paul R. Hopwood

Faculty Manager

Cindy Wilkinson

Departments

Animal Science

Head of Department

Associate Professor W. M. Chisholm Maxwell

Sydney

Phone: (02) 9351 2464

Fax: (02) 9351 3957

Email: margb@vetsci.usyd.edu.au

Web: www.usyd.edu.au/su/vetfac/faculty/dep/das.html

Camden

Phone: (02) 9351 1665

Fax: (02) 9351 1693

Email: lizt@camden.usyd.edu.au

Web: www.usyd.edu.au/su/vetfac/faculty/dep/das.html

Veterinary Anatomy and Pathology

Head of Department

Associate Professor Paul J. Canfield

Sydney

Phone: (02) 9351 2445

Fax: (02) 9351 6880

Email: L.Tollefsen@vetp.usyd.edu.au

Web: www.usyd.edu.au/su/vetfac/faculty/dep/dvap.html

Veterinary Clinical Sciences

Head of Department

Dr Anthony W. English

Camden

Phone: (02) 9351 1675

Fax: (02) 9351 1618

Email: sandra@camden.usyd.edu.au

Web: www.usyd.edu.au/su/vetfac/faculty/dep/index.html

Sydney

Phone: (02) 9351 2443

Fax: (02) 9351 4261

Email: proberts@mail.usyd.edu.au

Web: www.usyd.edu.au/su/vetfac/faculty/dep/index.html

Introduction to undergraduate courses

Bachelor of Veterinary Science, BVSc

(see also page 5)

The Veterinary Science course at the University of Sydney produces graduates with the knowledge and practical and generic skills to enable them to pursue many career options as veterinary scientists. The five-year course has a strong emphasis on development of animal handling skills, and includes programs for students that enable them to work in a wide range of commercial animal industries. Students spend twelve weeks on horse, pig, beef and dairy cattle, sheep, and poultry farms. These experiences help students develop an understanding of the factors involved in management of animals. Classes in dog and cat handling are also included in the course. There is a strong commitment to provision of opportunities for students to spend time in veterinary practices during the course, and the links with practising veterinary surgeons are an important component of the education program, complementing the learning and skill acquisition within the Faculty. The Faculty is committed to use of a variety of teaching methods, including lectures, laboratory practical classes, tutorials, case studies, workshops, computer assisted learning, practical demonstrations, and others. This variety recognises that not all students learn equally effectively in all teaching methods. In years 4 and 5 students observe and participate in clinical activities at the two University Veterinary Centres in Sydney and Camden. Studies of clinical cases and methods of dealing with real-life problems in veterinary science are a very important aspect of the course.

The Faculty is committed to a course that will provide students with opportunities to learn about clinical veterinary science from the first year of study, and teaching material is organised to demonstrate how sciences such as chemistry and biochemistry are applicable to veterinary science. The general structure and units of study in the new course are described in Chapter 7.

General Information on admissions, enrolment and other matters are included in Section 9 of this handbook. Students should also contact the Faculty Office for information on admission procedures and other course details.

Clinical experience

The Faculty of Veterinary Science maintains teaching hospitals at the University Veterinary Centres at Sydney and Camden, where students and veterinarians work together in a clinical teaching and learning environment. Referral and primary accession cases are seen at both sites, and the University Veterinary Centre at Camden also provides veterinary services to farms in the region. A wide range of companion animals, farm animals, racing animals, exotic and native species are seen. Visiting specialists complement Faculty specialists in most disciplines in providing an excellent learning environment for veterinary students. Knowledge of medicine, surgery, anaesthesia, radiology, clinical pathology and production animal issues are developed in small groups.

Practical work requirements

Students are required to do practical work in animal husbandry in the vacation periods in the first three years of the course.

During the vacation periods from the end of July Semester of Year 4, students will be rostered to spend three weeks at each of the University Veterinary Centres, Sydney and Camden, for practical experience in veterinary medicine and surgery. Students are also required to undertake specified

extramural clinical practical work, which will be arranged by the Faculty Office.

From 2004, students will complete all clinical rotations in Year 5 of the course.

Assumed knowledge for school leavers

Two unit Maths and either (i) 2 unit Chemistry and 2 unit Physics, or (ii) 4 unit Science at the NSW Higher School Certificate or equivalent.

Progression in the Bachelor of Veterinary Science

Under normal circumstances students will satisfy the degree requirements in five years. Students who fail a unit of study are required to repeat enrolment in that unit. Students repeating units of study, may, with permission of the Faculty, enrol in one or more units of study in the following year of the course. The Faculty will normally grant permission for students to enrol in a unit of study in the following year when:

- (i) the timetable arrangements are such that students can attend all classes
- (ii) all prerequisites for enrolment in the unit of study have been satisfied
- (iii) any corequisites for the units in the following year can be satisfied.

Prerequisites are units of study that must be passed before enrolment in the next unit. Corequisites are units of study that must be studied concurrently.

The handbook provides details of prerequisites and corequisites for all units of study. The Faculty may waive prerequisite or corequisite requirements if a student demonstrates that such requirements are not appropriate. Applications for such waivers should be submitted to the Head of Department.

Bachelor of Science (Veterinary), BSc(Vet)

(see also page 13)

After the completion of third or fourth year students may undertake one year of supervised research in an area of veterinary science. Graduates are awarded a BSc(Vet).

Units of study

Units of study are subject to alteration.

Units of study and arrangements for units of study, including staff allocated, as stated in this or any other publication, announcement or advice of the University, are an expression of intent only and are not to be taken as a firm offer or undertaking. The University reserves the right to discontinue or vary such units of study, arrangements or staff allocations at any time without notice.

Coordinators

The coordinator for each unit of study is indicated below the credit point value. These were correct at the time of printing but are subject to change.

Books

Students are advised not to buy textbooks until lectures commence and lecturers recommend the preferred books.

NB: For students commencing Year 1 in 2000 or 2001, the units of study for Years 3-5 are listed in Chapter 7. This list is subject to changes, as approved by the Faculty and University.

Units of study

Bachelor of Veterinary Science units of study

Year 1

VETS 1006 Animal Husbandry 1A

5 credit points

Assoc Prof W.L. Bryden

Offered: February. **Classes:** 65 hours of lectures and practical classes. **Assessment:** Written examination.

This unit of study covers aspects of animal husbandry, welfare and management of: horses - their characteristics and management; pig and poultry industries in Australia and production of meat and eggs; cats, dogs and cage and aviary birds - breeds and their management.

Practical: A full day practical class of handling dogs and cats and associated tutorials.

Textbooks

Students should consult lecturers before purchasing text or reference books.

Gardner, J.A.A., et al. (eds), *Pig Production in Australia*, 2nd edn, Butterworths, 1990.

Huntington, P.J. and Cleland, F., *Horse Sense: The Australian Guide to Horse Husbandry*, Agmedia, 1992.

North, M.O., and Bell, D.D., *Commercial Chicken Production Manual*, 4th edn, A.V.I. Publishing Company, 1990.

O'Farrell, V., *Manual of Canine Behaviour*, British Small Animal Veterinary Association, 1992.

Reid, R.L., *A Manual of Australian Agriculture*, 5th edn, Heinemann, 1990.

Sainsbury, D., *Animal Health*, 2nd edn, Blackwell Science, 1998.

Turner, D.C. and Bateson, P., *The Domestic Cat: the Biology of its Behaviour*, Cambridge University Press, 1988.

VETS 1013 Cell Biology 1A

4 credit points

Dr Paul Hopwood

Offered: February. **Assumed knowledge:** See UAC Handbook. **Classes:** 37 lectures, 8 hours of practical classes and 2 hours of tutorials. **Assessment:** 1 hour written paper 70% (cell structure 15 mins 17%, cell function 45 mins 53%), mid-semester assignment 10%, light microscopy assignment 10% and operation of a light microscope 10%.

This unit will introduce the student to the biology of the cell. Topics include cell structure and molecular biology. The cell structure component includes a description of cell membranes and organelles. The molecular biology component includes a discussion of enzyme structure and metabolic pathways.

Clinical material is used to illustrate normal structure and function.

Textbooks

Alberts B., et al, *Essential Cell Biology*, Garland Publishing, New York, 1998.

CHEM 1405 Chemistry

6 credit points

Dr Julia James

Offered: February. **Assumed knowledge:** Chemistry 2 Unit or the Chemistry component of 3/4 Unit Science HSC courses. **Classes:** 52 lectures and nine 3 hour practical classes. **Assessment:** Theory examination 75% together with 25% for laboratory exercises and continuous assessment quizzes.

This is a one semester unit of study designed to provide (i) a suitable foundation for subsequent units of study such as biochemistry, animal nutrition, physiology and pharmacology, and

(ii) a chemical background that will aid in the understanding, diagnosis and treatment of disease. It covers chemical theory, inorganic, physical, and organic chemistry with many examples from biological areas. It pre-supposes a satisfactory prior knowledge of the Chemistry 2 unit HSC course or the Chemistry component of the Science 3/4 unit course.

Full detailed information is available from the School of Chemistry.

A total of 52 lectures comprising 28 lectures in inorganic and physical chemistry and 24 lectures in organic chemistry.

Practical: Nine 3 hour sessions.

Textbooks

Detailed information about prescribed texts is available from the School of Chemistry.

VETS 1014 Veterinary Anatomy and Physiology 1A

6 credit points

Dr Paul Hopwood

Offered: February. **Classes:** 32 lectures, 37 hours of practical classes and 12 hours of tutorials. **Assessment:** 2 hour written paper 40%, physiology assignments 20% and anatomy tissue identification 40%.

Anatomy and histology refer to studies of the structure of cells, tissues and organs. Physiology refers to processes involved in normal cell, tissue or body function, and biological pathways involved in the maintenance of a healthy animal. In this unit the gross anatomy and histology of the musculoskeletal system of the dog is studied together with the histology of epithelial tissue and connective tissue including blood. Basic principles of physiological control, water and electrolyte balance and the physiology of nerve and muscle cells complete the course. Clinical material is used to illustrate normal structure and function. Examples of structural and physiological abnormalities that cause dysfunction and disease in animals are included. Computer based tutorials and assessments will be used to assist learning.

Textbooks

Dellmann, H. and Eurell, J., *Textbook of Veterinary Histology*, 5th edn, Williams and Wilkins, 1998.

Evans, H.E., *Miller's Anatomy of the Dog*, 3rd edn, Saunders, 1993.

Cunningham J.G. *Textbook of Veterinary Physiology*, 2nd Edn, W.B. Saunders Co., Sydney, 1997.

Practical Class Manual

VETS 1017 Professional Practice 1B

3 credit points

Dr Henry Collins

Offered: July. **Assumed knowledge:** VETS 1021 Professional Practice 1A. **Classes:** 11 classes of 3 hours. **Assessment:** Portfolio of work.

In this unit students will study the why, the where and the how of veterinary practice: reasons for establishing a practice, organisation of the premises, services offered to the public, the basic facilities necessary for practice, and the roles and interrelationships of the staff. This will be largely achieved through visits to Education Support Practices (ESP). The visits to an ESP will also provide the opportunity for a study of veterinary communication skills. The study of veterinary practice will also provide a context for the other units in Year 1. An understanding of the ethical theories relating to animals and current discussion on the moral status of animals will help provide a rational basis for Animal Welfare. There will also be opportunities in this unit to explore the basis of professional behavior and to learn to use the internet effectively.

Textbooks

Produced in Department (lecture notes)

VETS 1018 Cell Biology 1B

6 credit points

Dr P Sheehy

Offered: July. **Assumed knowledge:** VETS 1013 Cell Biology 1 A. **Classes:** 43 lectures, 26 hours of practical classes and 2 hours of tutorials. **Assessment:** 2 hour written paper 80% (theory 90 mins 60%, practical 30 mins 20%) and mid-semester assignment 20%.

In this unit the study of the molecular biology of the cell will be extended to include gene expression, recombinant DNA tech-

nology, membrane structure and function, cell cycle, cell differentiation and cancer.

Clinical material is used to illustrate normal structure and function.

Textbooks

Alberts B., et al, *Essential Cell Biology*, Garland Publishing, New York, 1998.

VETS 1019 Animal Husbandry 1B

7 credit points

Assoc Prof W.L. Bryden

Offered: July. **Classes:** 91 hours of lectures and practical classes.

Assessment: Written examination.

This unit of study covers aspects of ruminant management and production, especially sheep, beef and dairy cattle. The agronomic and ecological principles of the production and utilisation of native and sown pastures will also be covered.

Practical: Full day practical handling classes are conducted at the University Farms, Camden, with horses, pigs, poultry, sheep, beef and dairy cattle and pastures. Practical classes will be taken by all students and will be examinable.

Textbooks

Students should consult lecturers before purchasing text or reference books.

Anderson, R.S. and Edney, A.T.B., *Practical Animal Handling*, Pergamon Press, 1991.

Cottle, D.J., (ed.), *Australian Sheep and Wool Handbook*, Inkata Press, 1991.

Gardner, J.A.A., et al, (eds.), *Pig Production in Australia*, 2nd edn, Butterworths, 1990.

Huntington, P.J. and Cleland, E, *Horse Sense: The Australian Guide to Horse Husbandry*, Agmedia, 1992.

North, M.O. and Bell, D.D., *Commercial Chicken Production Manual*, 4th edn, A.V.I. Publishing Company, 1990.

Reid, R.L., *A Manual of Australian Agriculture*, 5th edn, Heinemann, 1990.

Sainsbury, D., *Animal Health*, 2nd edn, Blackwell Science, 1998.

VETS 1020 Veterinary Anatomy and Physiology 1B

8 credit points

Dr Glenn Shea

Offered: July. **Classes:** 52 lectures, 49 hours of practical classes and 8 hours of tutorials. **Assessment:** 2 hour written theory paper 50%, physiology assignments 20% and anatomy tissue identification 30%.

In this unit the gross anatomy, histology and physiology of the respiratory, endocrine, cardiovascular and urinary systems are studied. Mechanisms of acid base regulation are also included. Clinical material is used to illustrate normal structure and function. Examples of structural and physiological abnormalities that cause dysfunction and disease in animals are included. Computer based tutorials and assessments will be used to assist learning.

Textbooks

Dellmann, H. and Eurell, J., *Textbook of Veterinary Histology*, 5th edn, Williams and Wilkins, 1998.

Evans, H.E., *Miller's Anatomy of the Dog*, 3rd edn, Saunders, 1993.

Cunningham J.G. *Textbook of Veterinary Physiology*, 2nd Edn, W.B. Saunders Co., Sydney, 1997.

Unit of Study Manual

VETS 1021 Professional Practice 1A

3 credit points

Dr Henry Collins

Offered: February. **Classes:** 13 classes of 3 hours and extramural experience. **Assessment:** Portfolio of work.

This is an introductory course which aims to help students settle into university life and cope with different approaches to teaching, to learn more about the veterinary profession and the opportunities and responsibilities associated with a degree in veterinary science, and to acquire the skills and knowledge necessary for becoming an independent, reflective and self-motivated learner. The unit should enhance the ability to use libraries, information technology and other resources to find information, and improve study skills. Students will be introduced to the history of veterinary science and its major achievements, the wide

diversity of occupations within the profession, the professional roles of veterinarians, the main professional organizations, and how veterinarians are accredited and licensed to practice. Animal Welfare is introduced and the main issues for veterinary students and veterinarians are identified. This unit will help provide a contact and relevance for the other units in Year 1.

Textbooks

Produced in Department (lecture notes)

Year 2

VETS 2008 Professional Practice 2

4 credit points

Dr Henry Collins

Offered: February. **Assumed knowledge:** VETS 1021 and VETS 1017. **Classes:** Classes 11 lectures, 11x3 hour practicals.

Assessment: Portfolio of work.

In this unit, visits to the Education Support Practices will provide the opportunity for further study of practice management, including promotion of services, maintenance of client satisfaction and good ward management. Other topics studied will include Communication, Animal Welfare, the human-animal bond and scientific writing. Students will be expected to be able to work successfully as individuals, in pairs and as members of a team.

Textbooks

Produced in Department (lecture notes)

VETS 2009 Genetics and Biometry

6 credit points

Assoc Prof Frank Nicholas, Dr Peter Thomson and Assoc Prof Chris Moran

Offered: February. **Assumed knowledge:** Veterinary Science Year 1. **Classes:** 78 hours of lectures/practicals/tutorials. **Assessment:** Quizzes, practical tests, assignments, written exams.

This Unit of Study presents an introduction to those aspects of genetics and statistics that are relevant to veterinarians. The genetics section covers the creation and use of genetic maps; single-locus disorders; chromosomal abnormalities; non-Mendelian familial disorders; immunogenetics; pharmacogenetics; genetic variation in pests, parasites and pathogens; genetic and environmental control of inherited diseases; relationship and inbreeding; heritability; breed history and structure; selection and crossing. The biometry section covers biological variability; samples and populations; hypothesis tests; confidence intervals; analysis of variance; experimental design; regression and correlation; contingency tables.

Textbooks

Nicholas, F.W., *Introduction to Veterinary Genetics*, Blackwell

Science, Oxford, 1996.

Petrie, A. and Watson, P., *Statistics for Veterinary and Animal Science*, Blackwell Science, Oxford, 1999.

VETS 2010 Animal Digestion and Nutrition

7 credit points

Assoc Prof W.L. Bryden

Offered: February. **Assumed knowledge:** Veterinary Science Year 1. **Classes:** Classes 91 hours of lectures, tutorials and practical classes. **Assessment:** Written examination 70%; Continuous Assessment 30%.

Animal Digestion and Nutrition is a unit of study that consists of an integrated series of lectures, tutorials, and practical classes concerned with the comparative structure and function of the digestive system, the principles and practice of nutrition and interactions between nutrients that influence health and production.

Textbooks

Students should consult lecturers before purchasing textbooks.

Blaxter K.H., *Energy Metabolism of Animals and Man*, Cambridge University Press, 1989.

Case, L.P., Carey, D.P. and Kirakawa, D.A., *Canine and Feline Nutrition*, Mosby, 1995.

Cunningham, J.G., *Textbook of Veterinary Physiology*, 2nd edn, W.B. Saunders, 1997.

D'Mello, J.P.F. (ed.), *Farm Animal Metabolism and Nutrition*, CAB International, 2000.

- Dellmann, H. and Eurell, J., *Textbook of Veterinary Histology*, 5th edn, Williams and Wilkins, 1998.
- Dyce, K.M., Sack, W.O., and Wensing, C.J., *Textbook of Veterinary Anatomy*, 2nd edn, Saunders, 1996.
- Forbes, J.M. and France, J., *Quantitative Aspects of Ruminant Digestion and Metabolism*, CAB International, 1993.
- Frape, D., *Equine Nutrition and Feeding*, 2nd edn., Blackwell Science, 1998.
- Kelly, N.C. and Wills, J.M., *Manual of Companion Animal Nutrition and Feeding*, BSAVA, 1996.
- Klasing, K.C., *Comparative Avian Nutrition*, CAB International, 1998.
- Rook, J.A.F. and Thomas, P.C., *Nutritional Physiology of Farm Animals*, Longman, 1983.
- Stevens, C.E. and Hume, I.D., *Comparative Physiology of the Vertebrate Digestive System*, 2nd edn., Cambridge University Press, 1995.
- Swenson, M.J. and Reece, W.O. (eds), *Dukes' Physiology of Domestic Animals*, 11th edn., Comstock Publishing, 1993.
- Underwood, E.J. and Suttle, N.F., *The Mineral Nutrition of Livestock*, 3rd edn., CAB International, 1999.
- Van Soest, P.J., *Nutritional Ecology of the Ruminant*, 2nd edn., Comstock Publishing, 1994.

VETS 2011 Veterinary Anatomy and Physiology 2A

7 credit points

Dr D.L. Evans

Offered: February. **Assumed knowledge:** Veterinary Science Year 1. **Classes:** 91 hours, with 3-4 lectures and 3-4 prac/tut/week.

Assessment: Two in-semester exams (worth 20% each), 2hr exam (40%), 1 hr practical exam (20%).

This unit consists of 91 hours of hours of classes. Topics include anatomy, histology, physiology and pathophysiology of nervous and sensory systems, with integrated topics in pharmacology. Cardiovascular pathophysiology, thermoregulation, exercise physiology and avian anatomy are also covered. Computer-based formative assessments with feedback are provided on the www. Practical classes cover histology and anatomy. As well, tutorials, laboratory work, and computer-based learning classes are included.

Textbooks

Cunningham J.G. *Textbook of Veterinary Physiology*, 2nd Edn,

W.B. Saunders Co., Sydney, 1997.

Dellmann, H. and Eurell, J. *Textbook of Veterinary Histology*, 5th Edn Williams and Wilkins, 1998.

Dyce, K.M., Sack, W.O., and Wensing, C.J. *Textbook of Veterinary Anatomy*, 2nd Edn Saunders, 1996.

Evans, H.E. *Miller's Anatomy of the Dog*, 3rd Edn Saunders 1993

Reference books

List provided by Department

VETS 2012 Equine Anatomy

4 credit points

Dr Glenn Shea

Offered: July. **Assumed knowledge:** VETS 1014 Veterinary Anatomy and Physiology 1A, VETS 1020 Veterinary Anatomy and Physiology 1B, VETS 2011 Veterinary Anatomy and Physiology 2A, VETS 2010 Animal Digestion and Nutrition. **Classes:** 52 hrs of practical classes. **Assessment:** One 1 hour written paper 40%; practical examination 40%; assignment 20%.

In this unit of study, the topographic and regional anatomy of the horse, a large domestic animal, is studied by sequential dissection of entire preserved horses. This unit of study also involves integration of knowledge of systemic anatomy, acquired from VETS 1014, 1020, 2010 and 2011, allowing the student to develop an understanding of the regional anatomy of a domestic mammal, knowledge necessary for surgery units of study in later years. Clinically-relevant regions are emphasized, and the relevance illustrated by reference to common clinical conditions.

Textbooks

Dyce, K.M., et al, *Textbook of Veterinary Anatomy*, 2nd edn, Saunders, 1996.

Sack, W.O., *Rooney's Guide to the Dissection of the Horse*, Veterinary Textbooks, Ithaca, 1991.

Additional course material will be available on the web.

VETS 2013 Principles of Disease

8 credit points

Offered: July. **Assumed knowledge:** Veterinary Science Year 1 (Semesters 1 and 2) and Year 2 (Semester 1 only). **Classes:** 104 hours of lectures, tutorials and practical classes. **Assessment:** TBA. The primary aim of Principles of Disease is to lay a solid foundation for studies in systematic pathology and related disciplines in 3rd year. Principles of Disease introduces students to the processes such as inflammation, repair and neoplasia that operate in animals affected by disease. While the emphasis is on the more applied aspects of general pathology, fundamental concepts in immunology, microbiology, parasitology and other paraclinical disciplines are also touched upon in order to provide an integrated view of how disease is the result of interactions between the host, agents of disease and the environment.

Textbooks

Cheville, N.F., *Introduction to Veterinary Pathology*, 2nd ed. Iowa State University Press 1999.

VETS 2015 Veterinary Conservation Biology

4 credit points

Dr A.W. English

Offered: July. **Classes:** Lectures/tutorials 37 hrs, practical classes 17 hrs. Total 52 hrs. **Assessment:** 2 hour written paper (75% of total mark), mid semester quiz (10%) and written project (15% of total mark).

Definition

The term "veterinary conservation biology" has been adopted as describing the activities in wildlife conservation and management, which can involve veterinarians. These activities can be grouped as follows:

1. **Wildlife health** This can range from the work of veterinarians in zoos, aquaria and wildlife parks to the treatment and rehabilitation of sick, injured or orphaned wildlife in private veterinary clinics, as well as to the investigation and management of diseases in free-living populations. The term "conservation medicine" is sometimes applied to this work.
2. **Conservation of endangered species** This includes activities such as Species Management Plans, Threat Abatement Plans and captive breeding programs, with veterinarians invariably working as part of a team with other biologists. It may involve the use of enhanced reproduction programs, genome resource banking and molecular genetic technology. Research will be important as well, across all disciplines (taxonomy, health, reproduction, husbandry etc).
3. **Sustainable farming and off-reserve conservation** There is an increasing need for veterinarians working with property owners to take a whole-farm approach to any advice given about management of that property. It will be necessary to work closely with other advisers in dealing with such things as erosion, salination, water quality and loss of wildlife habitats. Management of the impacts of vertebrate pests and introduced plants, and a range of other off-reserve conservation measures may also be required, in seeking solutions to the problems of land degradation and loss of biodiversity.
4. **Sustainable utilisation of wildlife** This can range from the harvest of free-living populations (eg. macropods, feral pigs, goats, mutton birds) to intensive game farming (eg. crocodiles, emus, deer), and also includes fee hunting and ecotourism (eg. whale watching). There are potential benefits in these as alternatives to traditional land use strategies, most of which have resulted in serious land degradation, and as components in the conservation of biodiversity. Animal welfare may be a primary consideration for veterinarians involved with these industries, as well as undertaking research and development in new areas.
5. **Import and export of wildlife** This encompasses both quarantine activities and enforcement of national and international treaties such as CITES.

It can be seen from this list that there are many ways in which veterinarians can contribute to the conservation and management of wildlife, and to local and national economies. The profession should not necessarily seek to become wildlife managers in their own right, but in most cases should be seen as essential members of teams undertaking such activities. With the passage of

time these opportunities are certain to expand, and veterinarians must be prepared to take on new challenges and new avenues for employment.

Learning Outcomes

At the end of this Unit of Study, it is expected that students will:

1. Have a broad knowledge and general understanding of the taxonomy, ecology, biology and conservation status of Australia's unique vertebrate fauna.
2. Have knowledge and understanding of specified key aspects of the anatomy and physiology of Australia's native vertebrate fauna (ANF).
3. Be aware and have a good understanding of the principles of the ecology, population dynamics, conservation status and management of macropods in Australia.
4. Have a knowledge and understanding of the threatening processes past and present that continue to adversely affect Australia's fauna.

An elective in vertebrate pests and their management will be offered in Final Year.

5. Have a knowledge of, and be able to critically evaluate the arguments for and against the sustainable utilisation of wildlife, including the ethical and animal welfare aspects.

An elective in the sustainable use of wildlife will be offered in Final Year (eg. aquaculture, fisheries, hunting, harvesting kangaroos and feral pigs, game fanning (crocodiles, emus, deer), ecotourism)

6. Have knowledge and understanding of the general principles of disease as they apply to wildlife health.
7. Have a broad knowledge and understanding of the husbandry and handling requirements for captive breeding of ANF.

Practical exposure should be available in the Wildlife Health and Conservation Centre at Camden - perhaps on a voluntary basis for Years 2 and 3, as well as in years 4 and 5.

8. Be aware of and understand the principles, animal welfare aspects and ethics of wildlife rehabilitation and translocation.

Clinical exposure to sick and injured wildlife will be available in the Camden Wildlife Clinic for Years 4 and 5.

9. Be aware of, understand and critically evaluate the basis for current approaches to wildlife emergency management (oil spills, bushfires, marine mammal standings).
10. Have a working knowledge and understanding of the legislation and treaties that deal with wildlife conservation and management.

11. Have exposure to, and knowledge of, a specified range of field techniques for assessing wildlife populations and habitats.

May be dealt with on a voluntary field trip to "Arthursleigh"

Textbooks

Conservation Biology for the Australian Environment. Mark A. Burgman and David B. Linder Mayer (1998), Surrey Beatty & Sons Pty Ltd. ISBN 0 949324 78 7.

Australia's Pest Animals. New Solutions to Old Problems. Penny Olsen (1998). Bureau of Resource Sciences. ISBN 0 86417 808 5.

Caring for Australian Wildlife. Sharon White (1997). Australian Geographic Pty Ltd. ISBN 1 86276 021 7.

Reference book

The Australian Museum complete book of Australian Mammals, R. Strahan (Ed) (1983), Angus & Robertson. ISBN 0 207 14454 0.

VETS 2016 Veterinary Anatomy and Physiology 2B

8 credit points

Dr Rhondda Canfield

Offered: July. **Assumed knowledge:** Veterinary Anatomy and Physiology 1A, 1B, 2A. **Classes:** 62 lectures and 42 hrs of other classes. **Assessment:** 2 hr written examination (40% of total assessment), practical examination (20% of total assessment), small group project(s) (30% of total assessment) and quizzes (10% of total assessment).

Topics studied in this unit of study include the gross anatomy, histology and physiology of the reproductive system and mammary glands of domestic animals, fertility, pregnancy, parturition and prenatal and postnatal development. Students will be introduced to clinically relevant material. Classes other than lec-

tures will include tutorials, laboratory work, library research and small group projects.

Textbooks

Dellmann, H.D. and Eurell, J. A., Textbook of Veterinary Histology, 5th edn, Williams and Wilkins, 1998.

Dyce, K.M. et al, Textbook of Veterinary Anatomy, 2nd edn, Saunders, 1996.

Hafez, B. and Hafez, E.S.E. (eds), Reproduction in Farm Animals, 7th edn, Lippincott, Williams and Wilkins, 2000.

Year 3

VETS 3001 Veterinary Microbiology 3A

5 credit points

Assoc Prof Daria Love

Offered: February. **Prerequisite:** Veterinary Science Years 1 and 2.

Assumed knowledge: VETS 2025 Veterinary Pathology 2, VETS 2001 Animal Genetics. **Classes:** 42 lectures and 26 hours of practical classes. **Assessment:** Two written examination: one in virology (one and half hours) and one in bacteriology (one and half hours). Total of both combined is 75% of total assessment. Practical examinations for virology and for bacteriology of 45 minutes duration each (25% of total assessment).

Lectures introduce the basic structure and function of prokaryotic organisms and viruses, the principles of bacterial variation and the principles of microbial pathogenesis. The aim is to present a basic approach to understanding the relationship between micro-organisms and host species and how and why disease results. This is followed by an introduction to some of the groups of microorganisms involved in infectious diseases processes. In this section, microorganisms are discussed in the context of associating basic characteristics of groups of microorganisms with epidemiology, pathology and immunology to enable students to study infectious diseases in an integrated and problem-oriented way.

Practical work includes an introduction to the concept of normal flora and sample collection. A series of exercises in practical classes demonstrate and apply principles of sample collection and students culture and identify microorganisms from clinical case material. These exercises are then discussed in the context of a veterinary practice situation to show how the results enable diagnosis, prognosis, treatment and control of infectious disease. Tutorials apply these principles to enable students to understand the requirements necessary to manage infectious diseases in practice. A full set of audio-visual material is available for the course in the form of slides and colour plates for personal study.

Textbooks

Reference Texts

Murray, et al, Veterinary Virology 3rd Edition.

Murray, et al, Medical Microbiology, 3rd Edn, 1998.

Salyers, A.A. and Whitt, D.D., Bacterial pathogenesis. A molecular approach, 1994, ISBN 1-55581-094-2.

Gillespie, J. and Timoney, J., Hagen and Bruner's Infectious Diseases of Domestic Animals, 7th edn, Cornell University Press, 1981, ISBN 0-8014-1333-8.

VETS 3003 Veterinary Microbiology 3B

8 credit points

Assoc Prof Daria Love

Offered: July. **Prerequisite:** Veterinary Science Years 1 and 2.

Assumed knowledge: VETS 3001 Veterinary Microbiology 3A. **Classes:** 43 lectures and 38 hours of practical classes.

Assessment: 2.5 hour written examination (80% of total assessment) and one hour practical examination (20% of total assessment).

The basic information in VETS 3001 is used to present major groups of microorganisms of veterinary importance (bacteria and fungi) and the diseases they produce. Lectures outline the general biological properties of groups of bacteria and fungi to enable the student to develop a broad framework of understanding of how specific organisms are involved in disease pathogenesis. These principles then allow the student to develop an approach to the investigation and control of infectious diseases.

This information is then reinforced in a series of practical classes which investigate diseases caused by various micro-organisms or investigate diseases of specific organs or systems.

These exercises show how a diagnosis is made (involving various laboratory investigations including microbiology, pathology and immunology) and how these data are used to resolve and manage infectious diseases.

A full set of audio-visual material is available for the course in the form of slides and colour plates for personal study.

Textbooks

Reference Texts

- Salyers, A.A. and Whitt, D.D., Bacterial pathogenesis. A molecular approach, 1994, ISBN 1-55581-094-2.
 Gillespie, J. and Timoney, J., Hagen and Bruner's Infectious Diseases of Domestic Animals, 7th edn, Cornell University Press, 1981, ISBN 0-8014-1333-8.

VETS 3004 Veterinary Pathology 3

6 credit points

Assoc. Prof. Terry Rothwell

Offered: February. **Prerequisite:** Veterinary Science Year 2.

Assumed knowledge: VETS 2025 Veterinary Pathology 2.

Classes: 60 lectures and sixteen 2 hour practical classes.

Assessment: 3 hour written examination, 1 hour practical examination and assignments.

Veterinary Pathology 3 is a unit of study in systematic pathology and applies the principles of general pathology to diseases of the various organs and systems of domestic animals.

Practical work includes the examination of gross and microscopic changes in representative examples of diseases of the major organs and instruction in post mortem examination of animals.

Practical: 32 hours of laboratory based classes and practical classes involving post mortem examination.

Textbooks

- Carlton, W.W. and McGavin, M.D., Thomson's Special Veterinary Pathology, 2nd edn, Mosby, 1995.
 Janeway, C.A., et al, Immunobiology. The Immune System in Health and Disease, 4th edn, Garland Publications, 1999.
 Jones, T.C., et al, Veterinary Pathology, 6th edn., Williams and Wilkins, 1997.
 Kumar, V., et al, Basic Pathology, 6th edn, W.B. Saunders Co., 1997.

VETS 3008 Veterinary Physiology 3

7 credit points

Dr David Evans

Offered: February. **Prerequisite:** Veterinary Science Years 1 & 2.

Classes: 104 hours, with 3-4 lectures and 3-4 prac/tufweek.

Assessment: One in-semester exam, one assignment, one essay, 2hr exam.

This unit consists of 104 hours of classes. Topics include physiology and pathophysiology of the nervous and sensory systems. Cardiovascular physiology, thermoregulation, reproduction and development, ruminant digestion, and exercise physiology are also covered. Normal and abnormal animal behaviours are covered, together with sessions on animal training, welfare and methods of behaviour modification. Computer-based formative assessments with feedback are provided.

Textbooks

- Swenson, M.J. & Reece, W.O. (eds) (1993) Dukes' Physiology of Domestic Animals 11th edn. Cornell University Press, Ithaca.

Reference books

List provided by Department

VETS 3010 Animal Nutrition 3

4 credit points

Prof David Fraser

Offered: July. **Prerequisite:** Veterinary Science Years 1 & 2.

Classes: 36 lectures. **Assessment:** Examination.

A unit of study concerned with the principles and practice of nutrition.

Textbooks

- McDonald, P., et al, Animal Nutrition, 4th edn, Longmans, 1988.

VETS 3014 Veterinary Parasitology 3

4 credit points

Dr Henry Collins

Offered: February. **Classes:** 28 lectures and fourteen 2 hour practical classes. **Assessment:** Based on compulsory exercises, a group project and final written and practical examinations.

A study of the major parasitic diseases of the companion animals: dogs, cats, horses, cage birds and aquarium fish. The unit of study covers the structure and biology of helminth, arthropod and protozoal parasites, but the emphasis is on the pathogenesis, diagnosis, epidemiology, treatment and control of parasitic diseases. Educational objectives are used to assist learning; assessment is based on these objectives and comprises a group project, compulsory exercises and final practical and written examinations.

Practical: Laboratory sessions involving recognition of parasites, acquisition of diagnostic skills, tutorials and completion of compulsory exercises.

Textbooks

- No textbook required. Manual: Collins, G.H., Veterinary Parasitology 1, latest edition, available at first class.

VETS 3024 Veterinary Medicine 3

4 credit points

Prof. Brian Farrow

Offered: July. **Prerequisite:** Veterinary Science Years 1 and 2.

Assumed knowledge: February Semester Year 3. **Classes:** 38 lectures. **Assessment:** 1 hour multiple choice question examination. The material will be further assessed during February and July semesters of fourth year.

A unit of study in veterinary medicine and diseases of organ systems of animals, including clinical methods and techniques of examination. Diseases of organ systems of the dog and cat are discussed. Attempts are made to integrate knowledge of anatomy, physiology, biochemistry, pharmacology, pathology, genetics and nutrition. The lectures may be illustrated with clinical material from the University Veterinary Centre, Sydney.

Textbooks

- Nelson, R.W. and Couto, C.G., eds, Small Animal Internal Medicine, 2nd edn, Mosby, 1998.

VETS 3029 Veterinary Anaesthesia 3

1 credit point

Ms Merran Govendir and Ms Sanaa Zaki

Offered: July. **Prerequisite:** Veterinary Science Years 1 and 2.

Classes: 8 lectures and practical session. **Assessment:** Written examination and class performance.

This unit of study is a general introduction to the principles important in maximising patient safety whilst under anaesthesia. Topics discussed include aspects of respiratory physiology important to understanding the induction and maintenance of general anaesthesia, preanaesthetic patient assessment, monitoring patient anaesthetic depth and common pharmacological agents used in anaesthetising small companion animals.

Practical sessions introduce students to the above concepts as well as providing instruction in developing manual skills such as venipuncture and intubation etc.

Textbooks

- Produced in department (lecture notes).

VETS 3030 Veterinary Radiology 3

1 credit point

Prof. Brian Farrow

Offered: July. **Prerequisite:** Veterinary Science Years 1 and 2.

Classes: 10 lectures. **Assessment:** Written examination.

The course will introduce students to the nature and source of X-ray photons, the structure and use of radiographic equipment, how a radiograph of an animal is produced and radiation safety. Aspects of radiation oncology, and the nature of diagnostic ultrasound and how sonographic images are made of animals will also be covered.

Textbooks

- Huda, W and Slone, R.M., Review of Radiographic Physics, Williams and Wilkins, Baltimore, 1995.

VETS 3031 **Veterinary Surgery 3**

2 credit points

Dr Geraldine B. Hunt

Offered: July. **Prerequisite:** Veterinary Science Years 1 and 2.

Classes: 10 lectures and 4x4 hours of practical classes.

Assessment: Optional quizzes (4x10 = 40%). July semester examination (40-80%). Practical class assessment (20%).

Introduction to the principles and practice of surgery. Topics to be covered in lectures include preoperative evaluation of the surgical patient; preparing for surgery (surgeon, environment, instruments, patient); maximising the effectiveness of surgery and wound healing; principles of surgical treatment of infection and neoplasia; exploratory laparotomy.

Practical classes provide instruction in basic surgical technique and exploratory laparotomy.

Textbooks

Harari, J., Textbook of Small Animal Surgery, Williams and Wilkins, Baltimore, 1996.

VETS 3033 **Veterinary Pharmacology & Toxicology 3A**

2 credit points

Dr Ian Spence

Offered: February. **Prerequisite:** Veterinary Science Years 1 and 2.

Classes: 24 lectures. **Assessment:** One 90 minute examination.

A unit of study that predominantly covers the principles of pharmacology and toxicology. Lecture topics include introductory pharmacology, pharmacokinetics, autonomic pharmacology and toxicology and some areas of clinical pharmacology.

Textbooks

Katzung, B.G., Basic and Clinical Pharmacology, 7th edn,

Appleton and Lange, 1998.

Cooper, B.S., ed., Antimicrobial Prescribing Guidelines for Veterinarians, Postgraduate Foundation of Veterinary Science, 1996.

Maddison, J.E., Therapeutic Update, 2nd edn, Postgraduate Foundation of Veterinary Science, 1996.

VETS 3034 **Veterinary Pharmacology & Toxicology 3B**

4 credit points

Dr Ian Spence

Offered: July. **Prerequisite:** Veterinary Science Years 1 and 2.

Assumed knowledge: VETS 3033 Veterinary Pharmacology & Toxicology 3A. **Classes:** 30 lectures. **Assessment:** One 90 minute examination, assignments and class performance.

A unit of study including lectures, problem-based tutorials and correlation sessions. The lectures cover the clinical pharmacology of the major drug classes of relevance to veterinary science. The interactive workshops involve case based discussions of clinical pharmacology and related topics. The correlation sessions are run in conjunction with members of other departments in the Faculty to illustrate the interaction of clinical and preclinical disciplines in solving clinical problems.

Textbooks

Katzung, B.G., Basic and Clinical Pharmacology, 7th edn,

Appleton and Lange, 1998.

Cooper, B.S., ed., Antimicrobial Prescribing Guidelines for Veterinarians, Postgraduate Foundation of Veterinary Science, 1996.

Maddison, J.E., Therapeutic Update, 2nd edn, Postgraduate Foundation of Veterinary Science, 1996.

Year 4

VETS 4003 **Animal Husbandry Practical Report**

2 credit points

Assoc Prof Gareth Evans

Offered: February. **Assumed knowledge:** Veterinary Science Years 1-3. **Classes:** Nil. **Assessment:** The work is documented in a practical report which is submitted for assessment in the first week of February Semester, Year 4. A practical skills test will also be conducted at the beginning of Year 4.

Students are required to undertake extramural practical work in animal husbandry. This is to enable them to gain experience in the major animal industries and to master animal handling and manipulative techniques with livestock.

Practical: Extra-mural practical work during vacations Years 1 to 3. Practical requirement period for the following species: horses 28 days, dairy cattle 14 days, beef cattle 14 days, sheep 14 days, pigs 7 days and poultry 7 days with an additional 14 days to be spent at the student's discretion. Students are encouraged to voluntarily gain experience with native fauna, zoo animals, marine animals or other exotic species.

VETS 4006 **Veterinary Anaesthesia 4**

7 credit points

Ms Merran Govendir and Ms Sanaa Zaki

Offered: Full Year (starts Feb). **Prerequisite:** Veterinary Science

Years 1-3. **Classes:** 16 lectures + practical and tutorial classes

February Semester. Clinical rotation: 2 weeks during the year.

Assessment: Written examination (July Semester), assignment and clinical assessment.

This course involves the planning and implementation of safe anaesthesia for small companion animals. Incorporating clinical cases from the veterinary teaching hospital, topics for discussion include anaesthesia for common disease conditions, analgesia for the peri-operative period and resuscitation techniques for cardio-respiratory arrest.

Practical classes and clinical rotations encourage students to utilise concepts discussed in lectures and develop the manual dexterity and confidence required for anaesthetising routine clinical cases.

Textbooks

Produced in department (lecture notes).

VETS 4009 **Veterinary Radiology 4**

5 credit points

Prof. Brian Farrow

Offered: Full Year (starts Feb). **Prerequisite:** Veterinary Science

Years 1-3. **Classes:** 12 lectures and 48 hours of clinical instruction

in various aspects of diagnostic imaging. **Assessment:** Written

examination July Semester (60%) and clinical rotation (40%).

The course covers the radiographic appearance of the normal structure and function of the various organ systems commonly investigated by radiology. Students will be taught to recognise, describe and diagnose the changes in structure and function, related to diseases, that are commonly found in radiographs. There will be an introduction to the special radiological techniques, including radiological contrast studies, that are commonly used to further demonstrate diseases. The role of diagnostic ultrasound in the diagnosis of the common diseases of the soft tissues will also be covered.

Textbooks

Thrall, D.E., Textbook of Veterinary Diagnostic Radiology, W.B.

Saunders Company, Philadelphia, 1998.

VETS 4010 **Clinical Practice 4**

5 credit points

Prof. Brian Farrow

Offered: Full Year (starts Feb). **Prerequisite:** Veterinary Science

Years 1-3. **Classes:** 304 hours tuition in clinical practice.

Assessment: Satisfactory performance is determined by continuous assessment and the satisfactory completion of an adequate case log book documenting cases that each student has been involved with throughout the year (50%). Surgery assessment in Clinical Practice consists of viva voce examination and surgery log books (25%). Medicine assessment in Clinical Practice is the Structured Objective Clinical Examination in the July semester (25%).

Clinical practice consists of a total of 12 weeks tuition in clinical medicine and surgery of dogs and cats. Students receive training in a logical approach to the investigation of medical and surgical problems and their management while working within a busy veterinary hospital.

VETS 4012 **Animal Nutrition 4**

3 credit points

Prof David Fraser

Offered: July. **Prerequisite:** Veterinary Science Years 1-3. **Classes:**

36 lectures. **Assessment:** Examination.

A unit of study on the integration of nutrition with clinical topics and applied nutrition of a variety of animals including horses, dogs, cats, fish, cage birds, laboratory and zoo animals.

VETS 4014 Applied Veterinary Anatomy

2 credit points
Dr Paul Hopwood

Offered: February. **Prerequisite:** Veterinary Science Years 1-3. **Classes:** Twelve 2 hour practical classes. **Assessment:** Written assignments.

This unit of study covers the surface anatomy and applied anatomy of the horse and dog.

Practical: Dissection classes.

VETS 4015 Veterinary Medicine 4

6 credit points
Prof. Brian Farrow

Offered: Full Year (starts Feb). **Prerequisite:** Veterinary Science Years 1-3. **Classes:** 45 lectures and 24 hours of tutorials during the year. **Assessment:** Viva voce examination February Semester. 3 hour written examination July Semester.

The unit of study commenced in third year continues through the two semesters of fourth year. Lectures on diseases of various organ systems constitute the didactic component given in February Semester. The unit of study is based on dogs and cats, with reference to other animal species as necessary.

Textbooks

Nelson, R.W. and Couto, C.G., eds, Small Animal Internal Medicine, 2nd edn, Mosby, 1998.

VETS 4016 Veterinary Clinical Pathology

5 credit points
Assoc Prof Paul Canfield

Offered: Full Year (starts Feb). **Prerequisite:** Veterinary Science Years 1-3. **Classes:** 24 lectures and five 3 hour practical classes February Semester; 6 lectures and four 3 hour practical classes July Semester. **Assessment:** Continuous practical assessment both February and July Semesters (30%). Group oral presentation (10%). Two hour open book written examination July Semester (60%).

A unit of study of lectures, demonstrations, practical classes, tutorials and seminars during fourth year deals with the application of pathological, biochemical, haematological, microbiological and parasitological techniques and test results to clinical aspects of veterinary science.

Practical work includes the examination of specimens taken from living animals by techniques in the above fields. Special attention, throughout the course, is given to the application and interpretation of tests used in the diagnosis, prognosis and management of clinical disease.

Textbooks

None required as course notes are made available

Reference book

Duncan, J.R. Prasse, K.W. and Mahaffey, E.A., Veterinary Laboratory Medicine, 3rd edn, Iowa State University Press, 1994.

VETS 4017 Veterinary Surgery 4

6 credit points
Dr Geraldine B. Hunt

Offered: Full Year (starts Feb). **Prerequisite:** Veterinary Science Years 1-3. **Classes:** 39 lectures (29 soft tissue and 9 orthopaedics), 4 x 6 hours of practical classes February Semester; 12 lectures and 4 x 6 hours of practical classes July Semester. **Assessment:** February semester quiz (optional) (25%). July semester examination (50-75%). Practical classes assessment (25%).

Lectures, demonstrations and practical classes addresses the principles and practice of soft tissue and orthopaedic surgery in companion animals using an integrated, systems and problem-based approach. Practical classes provide instruction and practice in basic procedures such as gastrointestinal biopsy and resection, cystotomy, desexing, ophthalmic surgery, fracture fixation, cruciate repair and other common surgical procedures.

Students assist in surgery, surgical decision making and after care as part of their clinical rotation.

Textbooks

Blinker, W.O., et al, Handbook of Small Animal Orthopaedics and Fracture Treatment, Saunders, 1990.

Fossum, T.W., Small Animal Surgery, Mosby, St Louis, 1997.

Harari, J., Textbook of Small Animal Surgery, Williams and Wilkins, Baltimore, 1996.

Piermattei, D.L. and Greeley, R.G., An Atlas of Surgical Approaches to the Bones of the Dog and Cat, Saunders, 1979.

VETS 4018 Veterinary Parasitology 4

4 credit points
Dr Henry Collins

Offered: July. **Prerequisite:** VETS 3014. **Classes:** 30 lectures and twelve 2 hour practical classes. **Assessment:** Based on compulsory exercises, a group project and final written and practical examinations.

A study of the economically important parasitic diseases of commercial animals: cattle, sheep, goats, pigs, poultry, bees and farmed fish. The unit of study emphasises the importance of clinical and sub-clinical parasitic diseases as constraints on agricultural production and shows how knowledge of the epidemiology of these diseases is used in planning control measures. Educational objectives are used to assist learning; assessment is based on these objectives and comprises a group project, compulsory exercises and final practical and written examinations.

Practical: Laboratory sessions involving recognition of parasites, acquisition of diagnostic skills, tutorials and completion of compulsory exercises.

Textbooks

No textbook required. Manual: Collins, G.H., Veterinary Parasitology 2, latest edition, available at first class.

VETS 4023 Applied Reproduction and Obstetrics

3 credit points
Assoc Prof Gareth Evans

Offered: July. **Prerequisite:** Veterinary Science Years 1-3. **Classes:** 36 lectures and 1 x 2 hour practical/tutorial class. **Assessment:** One 3 hour written examination and written assignments.

A unit of study concerned with applied aspects of animal reproduction and obstetrics. Topics include the normal patterns of fertility in farm animals, dogs, cats and horses and emphasis is placed on regulation of fertility and management of reproductive disorders. Instruction is provided on pre-partum affections, parturition, dystocia and the affections of the urogenital tract at birth. Practical experience is gained at the University Veterinary Centre, Sydney, and in further formal demonstrations in Fifth Year units of study at the University Veterinary Centre, Camden.

Year 5**VETS 5002 Bird Health and Production**

5 credit points
Assoc Prof Garry Cross

Offered: July. **Prerequisite:** Veterinary Science Years 1 to 4. **Classes:** 38 lectures and 44 hours of practical classes. **Assessment:** Written and practical examinations.

The aim is to develop knowledge and skill in bird medicine. Emphasis is placed on the epidemiology, management and preventive medicine of intensive and extensive bird populations. There is a series of lectures on specific aspects of broiler and layer management. Special presentations are given on rehabilitation and wildfowl, ratite and raptor medicine and surgery. To complete the unit of study each student will need to obtain at least 50% in the final written examination. Students will be assessed during practical sessions on practical skills, knowledge, participation and presentation.

Practical: Conducted within department.

Textbooks

Produced in department (lecture notes).

VETS 5004 Veterinary Public Health

3 credit points
Dr Jennifer Hodgson

Offered: July. **Prerequisite:** Veterinary Science Years 1 to 4. **Classes:** 48 lectures. **Assessment:** Written examination.

Assessment is evaluated as follows: principles of epidemiology 25%, food quality and hygiene 25%, zoonoses 25% and legal and ethical bases 25%.

There are four components of this unit of study - principles of epidemiology, food quality and hygiene, the zoonoses and the legal and ethical bases of veterinary work. The objective is to

make undergraduates aware of their potential for contributing directly to human welfare through controlling diseases of animals transmissible to people and through provision of high quality food. Understanding the obligations imposed by the community through acts and regulations and the self-imposed obligations arising from membership of a learned profession is an essential outcome of the unit of study.

Practical: Abattoir experience.

Textbooks

Andricsson, E.H., Meat Safety Quality and Veterinary Public

Health in Australia, Penny Farthing Publishing Services, Port Adelaide, 1998.

Epidemiological Skills, Animal Health Proceedings No. 143, Postgraduate Committee in Veterinary Science, The University of Sydney, 1990.

Stevenson, W.J. and Hughes, K.L., Synopsis of Zoonoses in Australia, 2nd edn., Australian Government Publishing Service, Canberra, 1988.

Veterinary Surgeons Act, 1987.

VETS 5005 Veterinary Surgery 5

6 credit points

Prof. David Hodgson, Dr Greg Bartlett

Offered: Full Year (starts Feb). **Prerequisite:** Veterinary Science Years 1 to 4. **Classes:** 20 lectures and 28 hours of practical classes February Semester; 28 hours of practical classes July Semester.

Assessment: Written examination on equine surgery, plus a practical examination on equine clinical examination and diagnosis February Semester. Oral examination on large animal obstetrics and large animal anaesthesia July Semester.

In fifth year the surgery unit of study consists of lectures or seminars on special features of surgery, radiology and anaesthesia and practical instruction. The practice of surgical and obstetrical techniques under supervision, and preparation of companion and production animals for surgery and their after-care in the University Veterinary Centre, Camden, continues throughout the year.

Students are expected to reach a standard of skill enabling them to control, examine and make clinical diagnoses and undertake the treatment of the common diseases found in general practice. A three week period of practical participation in the out-patients and in-patients departments of the University Veterinary Centre, Sydney, combined with three weeks in the University Veterinary Centre, Camden, and periods spent with veterinary practitioners engaged in general practice, provide opportunities to reach the standard required at graduation.

Practical: Basically the unit of study will be supplemented by practical work undertaken in the University Veterinary Centre, Camden, and private practice.

Textbooks

Rose, R.J. and Hodgson, D.R., Manual of Equine Practice, Saunders, 1993.

VETS 5009 Sheep Health and Production

6 credit points

Dr Kym Abbott

Offered: February. **Prerequisite:** Veterinary Science Years 1 to 4.

Classes: 40 lectures and 60 hours of practical classes.

Assessment: One 3 hour examination plus continuous assessments in practical classes.

The unit of study aims to develop skills and knowledge appropriate for a rural practitioner dealing with the more common disease conditions on commercial sheep farms and with controlled breeding programs. Strong emphasis is placed on disease management of flocks rather than individual animals and preventive medicine in an economic context rather than therapy of affected animals.

Nutrition: nutritional management in temperate environments, nutrient content of natural and improved pastures, strategies of supplementary feeding, use of computers in formulating nutritional advice. Reproduction: disorders of reproduction and methods of investigating poor reproductive performance, control of reproduction, artificial breeding, collection, evaluation, handling and preservation of semen, multiple ovulation and embryo transfer including the preparation of donors and recipients and the evaluation and handling of embryos. Genetics: ap-

plication to commercial sheep production and to evaluation of controlled breeding strategies. Disease management: epidemiology and preventive medicine of internal and external parasites; diagnosis, control and, where appropriate, eradication of diseases from individual flocks; integration of animal health management with optimal farm management procedures.

VETS 5010 Clinical Practice 5

10 credit points

Dr Jennifer Hodgson

Offered: Full Year (starts Feb). **Prerequisite:** Veterinary Science Years 1 to 4. **Classes:** 290 hours of practical work at the UVCC.

Assessment: Continual assessment 80% February and July Semesters. Viva voce examination 20% July Semester.

Clinical Practice integrates knowledge from lectures in earlier units of study in the management of cases and dealing with clients. This will occur under supervision of staff at the University Veterinary Centre, Camden (UVCC). The UVCC and its laboratory provide experience in the management of a wide range of disease problems in companion and large animals. Students also participate in herd health services provided to local dairy producers.

Continuing assessment will account for 80% of the allocated mark and each student will be assessed after each rotation of work at the UVCC. This assessment will be based on clinical knowledge, management of case records, attitude towards, and interest in the work undertaken at the UVCC and professionalism (client and colleague relationships). At the time of the July semester examinations each student will be examined viva voce and this will account for 20% of the mark.

Students will be expected to participate in rostered after hours activities as a requisite component of this course of study. During this period students will be required to live in close proximity to the UVCC.

Practical: 290 hours.

VETS 5014 Cattle Health and Production

7 credit points

Dr Tony English

Offered: February. **Prerequisite:** Veterinary Science Years 1 to 4.

Classes: 63 lectures and 62 hours of practical classes.

Assessment: One 3 hour written examination (75% of total mark), written project (15%) and practical examination (10%).

The unit of study in cattle health and production is an integration of material presented by the Departments of Animal Science and Veterinary Clinical Sciences. The aim is to enable new graduates to participate effectively in all aspects of cattle practice including cattle medicine, herd medicine and reproduction including artificial breeding and production. The lectures cover the medicine of systems, generalised and metabolic diseases and deficiency states. A major aim is to develop an understanding of the balance between consideration of the individual cow or calf and the herd. The close links between medicine and production must be appreciated. The methods by which disorders in herds are investigated will be covered.

The clinical nutrition of calves, dairy, extensive beef and feedlot beef cattle will be discussed in relation to tropical, temperate and sub-tropical environments. The interactions between nutrition, disease and reproduction will be examined and the impacts of nutrition on economic performance will be outlined. There will be a strong emphasis on the integration of agronomic systems with cattle health and profitability. The strategies for integrating supplementary feeding strategies with pasture management will be emphasised. The impacts of nutritional strategies on milk quality will be emphasised in 2 lectures dealing with factors influencing milk quality.

The objectives of the reproduction section are to produce a graduate who understands and can apply methods of oestrus synchrony and manipulation of fertility, who understands and has some familiarity with embryo transfer and who is capable of delivering cost-effective reproductive management programs to dairy farmers.

Textbooks

Radostits, O.M., et al, Veterinary Medicine, 9th edn, Bailliere Tindall, 2000.

VETS 5016 Pig Health and Production

4 credit points

Assoc Prof Robert Love

Offered: July. **Prerequisite:** Veterinary Science Years 1 to 4.**Classes:** 33 lectures and 44 hours of practical classes.**Assessment:** 2 hour examination.

The lectures are presented in a sequence following the three phases of production: reproduction, birth to weaning and weaning to marketing. The aim of the lectures is to highlight the common problems of pig medicine and production. Practical classes are aimed at providing the necessary understanding and skills for pig practice.

The emphasis of the unit of study is on managing endemic disease and preventive medicine. Welfare of intensively housed pigs is also given consideration.

Textbooks

Leman, A.D., et al, Diseases of Swine, 7th edn, Iowa State University Press, 1993.

VETS 5017 Essay

1 credit point

Associate Dean, Camden Campus

Offered: Full Year (starts Feb). **Assessment:** Essay.

Students must satisfactorily complete an essay during the undergraduate course. The latest time acceptable for nomination and Faculty approval of the topic is the Friday before the mid-semester break in July Semester of fourth year. Essays must be typewritten and submitted by the Friday of the first week of July Semester in fifth year. However, earlier submission is recommended. Guidelines for the essay are available from the Faculty Office.

VETS 5018 Special Medicine

1 credit point

Dr Robert Dixon

Offered: July. **Prerequisite:** Veterinary Science Years 1 to 4.**Classes:** Estimate - 25 lectures. **Assessment:** The assessment will be 30% assignment mark and 70% formal examination.

There are two parts to this unit of study which comprises lectures, tutorials and assignments.

1. Clinical toxicology: the important toxicological disorders of ruminants, horses and pigs are presented with the emphasis on clinical signs, necropsy findings and epidemiology.
2. Exotic diseases: diseases which represent an external threat to the livestock industries of Australia are covered. Aspects studied include not only clinical and necropsy findings of the significant diseases but also quarantine and the responsibilities of veterinarians in an animal disease emergency.

VETS 5030 Horse Medicine

5 credit points

Assoc Prof David Hodgson

Offered: Full Year (starts Feb). **Prerequisite:** Veterinary ScienceYears 1 to 4. **Classes:** 24 lectures and 14 hours of practical classes

February Semester; 6 lectures and 16 hours of practical classes

July Semester. **Assessment:** Written examination February

Semester. Viva voce examination July Semester.

Equine medicine is presented as lectures, practical classes and by participation in clinical practice. These lectures cover medical problems in all the major body systems including equine reproduction and are presented using an approach which highlights major problems in equine medicine. Practical classes in equine musculoskeletal disorders, gastro intestinal and respiratory diseases, reproduction, ophthalmology and neurology are held at the Faculty Horse unit in Cobbitty.

Practical: 14 hours horse medicine practical classes in association with the practical classes in VETS 5005 Veterinary Surgery 5 (Equine) February Semester and 16 hours equine reproduction practical classes July Semester.

Textbooks

Blood, D.C., et al, Veterinary Medicine, 8th edn, Bailliere Tindall, 1994.

Brown, CM., Problems in Equine Medicine, Lea and Febiger, 1990.

Colahan, P.T., et al, Equine Medicine and Surgery, 5th edn, American Veterinary Publications, 1999.

Hodgson, D.R. and Rose, R.J., The Athletic Horse, W.B.

Saunders, 1994.

Koterba, A.M., et al, Equine Clinical Neonatology, Lea and Febiger, 1990.

Mayhew, I.G., Large Animal Neurology, Lea and Febiger, 1989.

Robinson, N.E., Current Therapy in Equine Medicine, Vol. 4, W.B. Saunders, 1997.

Rose, R.J. and Hodgson, D.R., Manual of Equine Practice, 2nd edn., W.B. Saunders, 1999.

Smith, B.P., Large Animal Internal Medicine, Vol. 2, Mosby, 1996.

White U, N.A., The Equine Acute Abdomen, Lea and Febiger, 1990.

Bachelor of Science (Veterinary) units of study

VETS 4031 Veterinary Clinical Sciences

48 credit points

Dr Herman Raadsma

Offered: Full Year (starts Feb). **Prerequisite:** Veterinary Science Years 1, 2 and 3 or 1,2, 3 and 4. **Assumed knowledge:** Veterinary Science Years 1-3 or 1-4. **Classes:** No lectures or other classes.**Assessment:** Thesis, oral presentation and oral examination.

In this unit students undertake a period of supervised research in a topic in Veterinary Science.

VETS 4033 Animal Science

48 credit points

Dr Herman Raadsma

Offered: Full Year (starts Feb). **Prerequisite:** Veterinary Science Years 1, 2 and 3 or 1, 2, 3 and 4. **Assumed knowledge:** Veterinary Science Years 1-3 or 1-4. **Classes:** No lectures or other classes.**Assessment:** Thesis, oral presentation and oral examination.

In this unit students undertake a period of supervised research in a topic in Veterinary Science.

VETS 4039 Veterinary Anatomy and Pathology

48 credit points

Dr Herman Raadsma

Offered: Full Year (starts Feb). **Prerequisite:** Veterinary Science Years 1,2 and 3 or 1, 2, 3 and 4. **Assumed knowledge:** Veterinary Science Years 1-3 or 1-4. **Classes:** No lectures or other classes.**Assessment:** Thesis, oral presentation and oral examination.

In this unit students undertake a period of supervised research in a topic in Veterinary Science.

CHAPTER 4

Table of units of study

Unit of study	Credit points;	A) Assumed Knowledge C) Corequisite	Q) Qualifying N) Prohibition	P) Prerequisite	Offered
Bachelor of Veterinary Science					
Year 1					
Semester 1					
VETS 1006 Animal Husbandry 1A	5				<i>February</i>
VETS 1013 Cell Biology 1A	4	A) See UAC Handbook.			<i>February</i>
CHEM 1405 Chemistry	6	A) Chemistry 2 Unit or the Chemistry component of 3/4 Unit Science HSC courses.			<i>February</i>
VETS 1014 Veterinary Anatomy and physiology 1A	6				<i>February</i>
VETS 1021 Professional Practice 1A	3				<i>February</i>
Semester 2					
VETS 1017 Professional Practice IB	3	A) VETS1021 Professional Practice 1A.			<i>July</i>
VETS 1018 Cell Biology IB	6	A) VETS1013 Cell Biology 1A.			<i>July</i>
VETS 1019 Animal Husbandry IB	7				<i>July</i>
VETS 1020 Veterinary Anatomy and physiology IB	8				<i>July</i>
Year 2					
Semester 1					
VETS 2008 Professional Practice 2	4	A) VETS1021 and VETS1017.			<i>February</i>
VETS 2009 Genetics and Biometry	6	A) Veterinary Science Year 1.			<i>February</i>
VETS 2010 Animal Digestion and Nutrition	7	A) Veterinary Science Year 1.			<i>February</i>
VETS 2011 Veterinary Anatomy and Physiology 2A	7	A) Veterinary Science Year 1.			<i>February</i>
Semester 2					
VETS 2012 Equine Anatomy	4	A) VETS1014 Veterinary Anatomy and Physiology 1A, VETS1020 Veterinary Anatomy and Physiology IB, VETS2011 Veterinary Anatomy and Physiology 2A, VETS2010 Animal Digestion and Nutrition.			<i>July</i>
VETS 2013 Principles of Disease	8	A) Veterinary Science Year 1 (Semesters 1 and 2) and Year 2 (Semester 1 only).			<i>July</i>
VETS 2015 Veterinary Conservation Biology	4				<i>July</i>
VETS 2016 Veterinary Anatomy and physiology 2B	8	A) Veterinary Anatomy and Physiology 1A, IB, 2A.			<i>July</i>
Year 3					
Semester 1					
VETS 3001 Veterinary Microbiology 3A	5	A) VETS2025 Veterinary Pathology 2, VETS2001 Animal Genetics. P) Veterinary Science Years 1 and 2.			<i>February</i>

Unit of study	Credit points	A) Assumed Knowledge C) Corequisite	Q) Qualifying N) Prohibition	P) Prerequisite	Offered
VETS 3004 Veterinary Pathology 3	6	A) VETS2025 P) Veterinary Science Year 2.		Veterinary Pathology 2.	February
VETS 3008 Veterinary Physiology 3	7			P) Veterinary Science Years 1 & 2.	February
VETS 3014 Veterinary Parasitology 3	4				February
VETS 3033 Veterinary Pharmacology & Toxicology 3A	2			P) Veterinary Science Years 1 and 2.	February
Semester 2					
VETS 3003 Veterinary Microbiology 3B	8	A) VETS3001 P) Veterinary Science Years 1 and 2.		Veterinary Microbiology 3A.	July
VETS 3010 Animal Nutrition 3	4			P) Veterinary Science Years 1 & 2.	July
VETS 3024 Veterinary Medicine 3	4	A) February Semester Year 3. P) Veterinary Science Years 1 and 2.			July
VETS 3029 Veterinary Anaesthesia 3	1			P) Veterinary Science Years 1 and 2.	July
VETS 3030 Veterinary Radiology 3	1			P) Veterinary Science Years 1 and 2.	July
VETS 3031 Veterinary Surgery 3	2			P) Veterinary Science Years 1 and 2.	July
VETS 3034 Veterinary Pharmacology & Toxicology 3B	4	A) VETS 3033 P) Veterinary Science Years 1 and 2.		Veterinary Pharmacology & Toxicology 3A.	July
Year 4					
Year-long units of study					
VETS 4006 Veterinary Anaesthesia 4	7			P) Veterinary Science Years 1-3.	Full Year (starts Feb)
VETS 4009 Veterinary Radiology 4	5			P) Veterinary Science Years 1-3.	Full Year (starts Feb)
VETS 4010 Clinical Practice 4	5			P) Veterinary Science Years 1-3.	Full Year (starts Feb)
VETS 4015 Veterinary Medicine 4	6			P) Veterinary Science Years 1-3.	Full Year (starts Feb)
VETS 4016 Veterinary Clinical Pathology	5			P) Veterinary Science Years 1-3.	Full Year (starts Feb)
VETS 4017 Veterinary Surgery 4	6			P) Veterinary Science Years 1-3.	Full Year (starts Feb)
Semester 1					
VETS 4003 Animal Husbandry Practical Report	2			A) Veterinary Science Years 1-3.	February
VETS 4014 Applied Veterinary Anatomy	2			P) Veterinary Science Years 1-3.	February
Semester 2					
VETS 4012 Animal Nutrition 4	3			P) Veterinary Science Years 1-3.	July
VETS 4018 Veterinary Parasitology 4	4			P) VETS3014.	July
VETS 4023 Applied Reproduction and Obstetrics	3			P) Veterinary Science Years 1-3.	July
Year 5					
Year-long units of study					
VETS 5005 Veterinary Surgery 5	6			P) Veterinary Science Years 1 to 4.	Full Year (starts Feb)

Unit of study	Credit points	A) Assumed Knowledge C) Corequisite	Q) Qualifying N) Prohibition	P) Prerequisite	Offered
VETS 5010 Clinical Practice 5	10	P) Veterinary Science	Years 1 to 4.		<i>Full Year (starts Feb)</i>
VETS 5017 Essay	1				<i>Full Year (starts Feb)</i>
VETS 5030 Horse Medicine	5	P) Veterinary Science	Years 1 to 4.		<i>Full Year (starts Feb)</i>
Semester 1					
VETS 5009 Sheep Health and Production	6	P) Veterinary Science	Years 1 to 4.		<i>February</i>
VETS 5014 Cattle Health and Production	7	P) Veterinary Science	Years 1 to 4.		<i>February</i>
Semester 2					
VETS 5002 Bird Health and Production	5	P) Veterinary Science	Years 1 to 4.		<i>July</i>
VETS 5004 Veterinary Public Health	3	P) Veterinary Science	Years 1 to 4.		<i>July</i>
VETS 5016 Pig Health and Production	4	P) Veterinary Science	Years 1 to 4.		<i>July</i>
VETS 5018 Special Medicine	1	P) Veterinary Science	Years 1 to 4.		<i>July</i>
Bachelor of Science (Veterinary)					
VETS 4031 Veterinary Clinical Sciences	48	A) Veterinary Science P) Veterinary Science	Years 1-3 or 1-4. Years 1, 2 and 3 or 1, 2, 3 and 4.		<i>Full Year (starts Feb)</i>
VETS 4033 Animal Science	48	A) Veterinary Science P) Veterinary Science	Years 1-3 or 1-4. Years 1, 2 and 3 or 1, 2, 3 and 4.		<i>Full Year (starts Feb)</i>
VETS 4039 Veterinary Anatomy and Pathology	48	A) Veterinary Science P) Veterinary Science	Years 1-3 or 1-4. Years 1, 2 and 3 or 1, 2, 3 and 4.		<i>Full Year (starts Feb)</i>

Regulations

1. Constitution of the Faculty of Veterinary Science

The Faculty of Veterinary Science shall comprise the following persons:

1. (a) the academic staff at levels A, B, C, D and E, being full-time or fractional (50% or greater) members of the tenured, tenurable and fixed term teaching staff of Departments within the Faculty;
- (b) the Heads of Departments of Biochemistry and Pharmacology, together with one full-time tenured member of each of these Departments nominated by the Head of Department;
- (c) the Heads of the Schools of Biological Sciences, Chemistry and Physics, and the Head of the Department of Crop Sciences, or one full-time tenured member of the academic staff of each of these units nominated by the Head of that unit;
- (d) the Principal of the Orange Agricultural College and Deans of non-veterinary faculties in the College of Sciences and Technology;
- (e) the Directors of Laboratory Animal Services and the Properties and Investments Office;
- (f) up to three persons distinguished in the field of Veterinary Science appointed by the Faculty on the nomination of the Dean of the Faculty;
- (g) up to three students (two undergraduates and one postgraduate) elected in the manner prescribed by resolution of the Senate;
- (h) up to three members of the general staff elected by the general staff in the manner laid down by the Faculty;
- (i) one nominee from each of the Australian College of Veterinary Scientists and the Australian Veterinary Association;
- (j) the Directors of the Postgraduate Foundation in Veterinary Science, the Dairy Research Foundation, the Poultry Research Foundation and the Veterinary Science Foundation;
- (k) the research staff of the Faculty, being full-time or fractional (50% or greater), holding the position of Research Fellow or above;
- (l) Senior Registrars and Registrars, being full-time or fractional (50% or greater) employed in the University Veterinary Centres at Camden and Sydney;
- (m) persons holding Adjunct or Clinical titles within the Faculty; and
- (n) any other persons appointed by the Senate on the nomination of the Dean of the Faculty and with the approval of the Faculty and the Academic Board.

2. All nominees to the Faculty shall be appointed triennially.

2. Degrees and diplomas in the Faculty of Veterinary Science

1. The degrees in the Faculty of Veterinary Science shall be:
 - (a) Bachelor of Veterinary Science (BVSc)
 - (b) Bachelor of Science (Veterinary) (BSc (Vet))
 - (c) Master of Veterinary Science (MVSc)
 - (d) Master of Veterinary Clinical Studies (MVetClinStud)
 - (e) Master of Science in Veterinary Science (MScVetSc)
 - (f) Master of Veterinary Studies (MVetStud)
 - (g) Doctor of Philosophy (PhD)
 - (h) Doctor of Veterinary Science (DVSc).
2. The diplomas in the Faculty of Veterinary Science shall be:
 - (a) Graduate Diploma in Veterinary Clinical Studies (GradDipVetClinStud)

(b) Graduate Diploma in Laboratory Animal Science (GradDipLabAnimSc)

(c) Graduate Diploma in Veterinary Science (GradDipVetSc).

Bachelor of Veterinary Science, BVSc

The requirements for the degree of Bachelor of Veterinary Science are set out in the resolutions of the Senate of the University.

1. Candidates for the degree of Bachelor of Veterinary Science shall complete the following units of study:
 - (i) In the first year
 - Animal Husbandry 1A
 - Animal Husbandry 1B
 - Chemistry
 - Cell Biology 1A
 - Cell Biology 1B
 - Professional Practice 1A
 - Professional Practice 1B
 - Veterinary Anatomy and Physiology 1A
 - Veterinary Anatomy and Physiology 1B
 - (ii) In the second year
 - Professional Practice 2
 - Genetics and Biometry
 - Animal Digestion and Nutrition
 - Veterinary Anatomy and Physiology 2A
 - Equine Anatomy
 - Principles of Disease
 - Veterinary Conservation Biology
 - Veterinary Anatomy and Physiology 2B
 - (iii) In the third year
 - Animal Nutrition 3
 - Veterinary Physiology 3
 - Veterinary Pathology 3
 - Veterinary Microbiology 3A
 - Veterinary Microbiology 3B
 - Veterinary Pharmacology and Toxicology 3A
 - Veterinary Pharmacology and Toxicology 3B
 - Veterinary Medicine 3
 - Veterinary Surgery 3
 - Veterinary Anaesthesia 3
 - Veterinary Radiology 3
 - Veterinary Parasitology 3
 - (iv) In the fourth year
 - Veterinary Radiology 4
 - Animal Nutrition 4
 - Applied Reproduction and Obstetrics
 - Applied Veterinary Anatomy
 - Veterinary Clinical Pathology
 - Veterinary Medicine 4
 - Veterinary Surgery 4
 - Veterinary Anaesthesia 4
 - Veterinary Parasitology 4
 - Animal Husbandry Practical Report
 - Clinical Practice 4
 - (v) In the fifth year
 - Bird Health and Production
 - Essay
 - Horse Medicine
 - Pig Health and Production
 - Cattle Health and Production
 - Sheep Health and Production
 - Special Medicine
 - Veterinary Public Health
 - Veterinary Surgery 5
 - Clinical Practice 5
2. A candidate who has been enrolled in the course for the degree of Bachelor of Veterinary Science but has not re-enrolled for a period of one year or more shall complete the requirements for the degree under such conditions as the Faculty may determine.

3. A candidate for the degree may enrol in the units of study prescribed for the fourth or subsequent years of candidature only after having demonstrated proficiency in the safe handling of animals, in such a manner as may from time to time be prescribed by the Faculty.
4. (1) First and Second Class Honours may be awarded at graduation.
 (2) Results obtained in annual examinations shall determine whether a candidate qualifies for the award of Honours.
 (3) Honours shall not be awarded to a candidate who has taken longer to complete the course than the minimum period in which a candidate may complete a degree of Bachelor of Veterinary Science.
 (4) Notwithstanding the provisions of subsection (3) of this section, the Faculty, for special reasons, may permit the award of Honours to a candidate who has taken longer to complete the course than the period specified in that subsection.
 (5) If a candidate graduates with First Class Honours and the Faculty is of the opinion that the candidate's work is of sufficient merit, the candidate shall receive a bronze medal.

Award of honours

A system of Weighted Average Marks (WAM) is used as a measure of academic performance each year. The formula used to calculate the WAM is:

$$WAM = \frac{\sum(W_v \times M)}{\sum(W_v)}$$

where \sum is the sum, W_v is the weighted unit value and M is the mark achieved out of 100. Only the first attempt at each unit is included, except where 'Discontinued - Not to count as failure' has been marked. Where an exemption is granted from a unit, the mark used for the calculation of the WAM is the mean mark of contemporary students in that unit.

Resolutions of the Senate of the University governing award of honours at graduation have already been outlined. The Faculty would expect a candidate to achieve a WAM of at least 65 per cent to qualify for Second Class Honours, 70 per cent for First Class Honours, and 75 per cent for Honours I and the University Medal. Note that, in general, Honours are not awarded to students who have not completed the course in minimum time.

Bachelor of Science (Veterinary), BSc(Vet)

The opportunity exists for suitably qualified students who have completed three or more years of the BVSc course to interrupt their formal studies for one year to take part in the research of the Faculty and work for the BSc(Vet) course. Many students have done so and have found the experience enjoyable and rewarding. Candidates for the BSc(Vet) work in one or more of the departments of the Faculty and are supervised by a member of the Faculty. They are expected to complete the requirements for the degree during one calendar year.

A wide range of research is undertaken in the Faculty and it would not be difficult for most students to find an area of interest. However it is essential to have had adequate prerequisite training in the scientific field chosen for advanced study. Insufficient training may preclude enrolment in some areas. The Sub-Dean for BSc(Vet) and other members of staff will be able to provide advice on this point.

Students wishing to be considered for enrolment for the BSc(Vet) course should consult members of the department in which they propose to study and should lodge an application for enrolment with the Faculty Office. Applications for candidature are to be considered at the December meeting of the Board of Examiners of the Faculty. It is necessary to have all the arrangements completed well before applying to enrol, preferably before the annual examinations for the BVSc. Prospective candidates are therefore encouraged to begin their consultation with staff early in July semester.

The purpose of the course is principally to impart experience and skills in scientific research. Candidates will gain experience in experimentation and in the oral and written presentation of scientific results. The development of these skills will be assessed in four ways. Firstly, each candidate, after consultation with his or her supervisor and after appropriate study of the literature, will give a short, informal, small group seminar to outline the proposed research project. This seminar enables helpful comments and suggestions to be incorporated into the research plan. Secondly, after the research has been completed, candidates will give a further seminar to present the results and conclusions of their work. Thirdly, a written account of the research, in the form of a dissertation, including an executive summary of 5 pages maximum as part of the thesis, should be lodged in the Faculty Office by a given date in late October or early December and no later than the end of December in the year in which the work is done. Late submission will normally disqualify a candidate from consideration for First Class Honours for the award of the BSc(Vet) degree. The executive summary is to be sufficiently informative to reflect the research planning, procedures and outcomes of the research conducted by the candidate.

The dissertation will be assessed by two examiners who will each submit a written report and a mark for assessment of the thesis, to the Faculty office. The executive summary will be examined by the Associate Dean for research, Sub-Dean for BSc(Vet), and members of the research committee. The fourth assessment process constitutes a viva voce examination. The panel for viva voce examination will include the Associate Dean for Research, Sub-Dean for BSc(Vet), the principal supervisor of the candidate and 1 member of the research advisory committee. The panel will examine the candidate on research skills acquired during the degree rather than technical content. The panel will also have access to referees reports from the 2 examiners. In addition the supervisor will be present and clarify technical issues and procedural issues relevant to the work conducted by the candidate. The supervisor will also contribute to the assessment of *viva voce*.

These four assessments are intended not only to evaluate the standard of achievement but also to provide students with additional opportunities to learn the various skills of presentation of the results of scientific research.

The dissertation represents 50%, executive summary 10%, the viva voce examination 30%, the final seminar 10% of the marks for the assessment for the award of the degree. If the dissertation is submitted by the due date, it is possible for successful candidates to receive the degree at the graduation ceremony in December.

The grades for the award of honours in the BSc(Vet) course comply with Academic Policy 218. The grades are:

First Class	80-100
Second Class/Division 1	75-79
Second Class/Division 2	70-74
Third Class	65-69
Honours not awarded	less than 65

A list of some recent projects is given below as a guide to some of the areas in which candidates have worked. Areas of possible candidature change regularly and intending candidates are advised to consult with the Sub-Dean for BSc(Vet) and other staff. The resolutions of the Senate and the Faculty concerning the degree follow.

Resolutions of the Senate

1. Candidates for the degree of Bachelor of Veterinary Science who
 - (a) have completed not less than three years of candidature for the degree of Bachelor of Veterinary Science, and
 - (b) are considered to be suitable candidates for advanced work, may be permitted by the Faculty to interrupt their candidature for the degree of Bachelor of Veterinary Science for not more than one academic year to undertake an approved course of advanced study and research as a candidate for the degree of Bachelor of Science

- (Veterinary). Candidates for the Degree of Bachelor of Science (Veterinary) shall complete the following unit of study: Veterinary Research VETS 4033, VETS 4039 or VETS 4031.
- The course of advanced study and research shall be in a field of scientific investigation for which adequate prerequisite training has been obtained and for which appropriate supervision and facilities are available.
 - Applications for admission to candidature for the degree of Bachelor of Science (Veterinary) may be approved by the Dean on behalf of the Board of Examiners.
 - Each candidate shall be supervised by a member of Faculty and, if it is considered appropriate to the field of the work, by one or more associate supervisors as well.
 - Assessment and examination for the award of the degree shall be by dissertation, including a 5 page executive summary for additional examination, oral examination and presentation of seminars.
 - A candidature may be terminated at any time by the Dean if, in the opinion of the supervisor and the Associate Dean concerned with the course, the candidate's work is unsatisfactory.

Resolutions of the Faculty

- The responsibility for overseeing the implementation of the Faculty's academic policies concerning the degree is to lie with the Board of Examiners of the Faculty which will act through the Dean on the advice of the Associate Dean for Research.
- The responsibility for supervision of the administrative procedures concerned with the degree will lie with the Associate Dean, Sub-Dean BSc(VET) and members of the Research Committee, who will act and report through the Dean to the Board of Examiners and, if requested, to the Faculty.
- The minimum acceptable qualifications for the supervisor of a candidate for the degree is an appropriate higher degree.
- In response to an application for candidature, the Associate Dean for Research will, in consultation with the candidate, the proposed supervisor and the head(s) of the department(s) or school(s) in which the work is to be undertaken, ensure that the Faculty's requirements are satisfied in respect of:
 - eligibility of the candidate;
 - the proposed field of study;
 - prerequisite training;
 - appropriate supervision;
 - the adequacy of other resources; and
 - the proposed date of examination.
- Recommendations for approval of each candidature will be made by the Associate Dean for Research through the Dean to the Board of Examiners in a report describing:
 - the name of the candidate;
 - the field of study;
 - the nominated supervisor and, if applicable, the associate supervisor(s);
 - where the work will be undertaken; and
 - any special circumstances surrounding the candidature.
- The Research Committee will, in respect of all candidatures,
 - maintain an overview of the examinations of all candidates;
 - organise the implementation of the Faculty's policies on examination of candidates;
 - maintain an overview of the standards achieved and the grades awarded in examinations; and
 - report, to the Board of Examiners, the grades awarded to all candidates.
- The assessment and examination procedures are defined as follows:
 - Each candidate, in the presence of one or more members of the Research Committee, shall give an introductory seminar which outlines the proposed program of study and research.
 - Each candidate, in the presence of one or more members of the Research Committee, shall give an open seminar at the end of the program of study to present the results of the research. An assessment of the seminar would normally be given by the members of the Committee who attend.
 - A dissertation of appropriate style containing an account of the results and conclusions of the program of study should normally be lodged in the year in which the work for the degree is undertaken by a date in November, recommended by the Research Committee and approved by the Board of Examiners. Late submission will normally disqualify a candidate from consideration for Honours Class I for the BSc(Vet) degree. The dissertation must be in a form approved by Faculty and must be no longer than 100 A4 pages overall.
 - The thesis is to include an executive summary of 5 pages maximum. The summary is to be sufficiently informative to reflect the research planning, procedures and outcomes of the research conducted by the candidate.
 - The dissertation shall be examined by two examiners, neither of whom should normally be a supervisor of the candidate.
 - The executive summary shall be examined by the Associate Dean for Research, Sub-Dean BSc(Vet), and members of the research committee. Each member will make an independent assessment and a combined mark from all members will constitute the mark for this written component of the degree.
 - Each candidate shall be examined on the topic of the dissertation at a viva voce examination conducted by a panel including the Associate Dean for Research, Sub Dean for BSc(Vet), the principal supervisor of the candidate and 1 member of the research advisory committee. The panel will examine the candidate on research skills acquired during the degree rather than technical content. The panel will also have access to referees reports from the 2 examiners. In addition the supervisor will be present and clarify technical issues and procedural issues relevant to the work conducted by the candidate. The supervisor will also contribute to the assessment of *viva voce* examination.
 - The examiners shall separately write reports giving their assessment of the dissertation including a report no less than 1 page, detailing strengths and weaknesses of the thesis, and an assessment mark. The examiners make separate recommendations to the Associate Dean concerned with Research.
 - The dissertation is to represent 50%, the viva voce examination 30%, the mark for executive summary 10%, and the assessment of the final seminar 10% of the total assessment for the award of the degree.
- The recommendations of the examiners will normally be considered by the Board of Examiners at the December meeting of the year in which the candidate is enrolled.
- If a grade is less than 50%, the degree will not be awarded.
- Matters of policy concerning the degree are to be determined by the Faculty with such advice as it may wish to seek from time to time.
- Candidates working outside the Faculty, in departments with guidelines and requirements for science Honours or BSc(Med) students, should follow where possible such departmental requirements, except where these conflict with the regulations for the BSc(Vet) degree.

Regulations

Discontinuation of enrolment and re-enrolment after discontinuation - undergraduate

All faculties, colleges and boards of studies

- A candidate for a degree of bachelor who ceases attendance at classes must apply to the faculty, college board or board of studies concerned and will be presumed to have discontinued enrolment from the date of that application, unless evidence is produced: (i) that the discontinuation occurred at an earlier date; and (ii) that

there was good reason why the application could not be made at the earlier time.

2. A candidate for a degree of bachelor who at any time during the first year of attendance discontinues enrolment in all courses shall not be entitled to re-enrol for that degree unless the faculty, college board or board of studies concerned has granted prior permission to re-enrol or the person is reselected for admission to candidature for that degree.
3. Subject to paragraphs (i) and (if) of section 1, no candidate for a degree of bachelor may discontinue enrolment in a course or year after the end of lectures in that course or year.
4. The dean, pro-dean or a sub-dean of a faculty, director or deputy director of a college or the chairperson of a board of studies, may act on behalf of that faculty, college board or board of studies in the administration of these resolutions unless the faculty, college board or board of studies concerned decides otherwise.

Withdrawal from full-year and first semester courses

5. A candidate for a degree of bachelor who discontinues enrolment in a full-year or first semester course on or before 30 March in that year shall be recorded as having withdrawn from that course.

Withdrawal from second semester courses

6. A candidate for a degree of bachelor who discontinues enrolment in a second semester course on or before 30 August in that year shall be recorded as having withdrawn from that course.

All faculties, colleges and boards of studies except the Faculty of Engineering

Discontinuation

7. (1) A discontinuation of enrolment in a course shall be recorded as 'Discontinued - Not to count as failure' when the discontinuation occurs after the relevant withdrawal period and
 - (a) on or before the Friday of the first week of second semester for a full-year course, or
 - (b) up to the last day of the seventh week of teaching in a one-semester course.
- (2) A discontinuation of enrolment in a course shall be recorded as 'Discontinued - Fail' when the discontinuation occurs
 - (a) after the Friday of the first week of second semester for a full-year course, or
 - (b) after the last day of the seventh week of teaching in a one semester course.
- (3) Notwithstanding paragraph (2) the dean, pro-dean or sub-dean of the faculty, director or deputy director of the college or chairperson of the board of studies concerned may determine that a discontinuation of enrolment should be recorded as 'Discontinued - Not to count as failure' on the grounds of serious ill-health or misadventure.

Discontinuation of enrolment and readmission after discontinuation - postgraduate

All faculties, colleges, boards of studies and graduate schools - all candidates

1. A candidate will be presumed to have discontinued enrolment in a course, degree or diploma from the date of application to the faculty, college board, board of studies or graduate school concerned, unless evidence is produced (i) that the discontinuation occurred at an earlier date, and (ii) that there was good reason why the application could not be made at the earlier time.
2. A candidate who at any time discontinues enrolment from a degree or diploma shall not be entitled to re-enrol in that degree or diploma unless the candidate is readmitted to candidature for that degree or diploma.
3. Subject to paragraphs (i) and (ii) of section 1, candidates may not discontinue enrolment in a course after the end of classes in that course, unless the degree or diploma regulations permit otherwise.

4. The dean, pro-dean or a sub-dean of a faculty, director or deputy director of a college, chairperson of a board of studies or a chairperson of a graduate school may act on behalf of that faculty, college, board of studies or graduate school in the administration of these resolutions.

Candidates proceeding mainly by coursework

Withdrawal from full-year and first semester courses

5. A candidate for a degree or diploma who discontinues enrolment in a full-year or first semester course on or before 30 March in that year, shall be recorded as withdrawn from that course.

Withdrawal from second semester courses

6. A candidate for a degree or diploma who discontinues enrolment in a second semester course on or before 30 August in that year, shall be recorded as withdrawn from that course.

Discontinuation

7. A candidate for a degree or diploma who discontinues enrolment in a course after the withdrawal period but before the end of classes in that course, shall be recorded as 'Discontinued - Not to count as failure' in that course, unless the degree or diploma resolutions permit otherwise.

Candidates proceeding mainly by thesis

Withdrawal

8. A candidate who discontinues enrolment in a course or degree before the end of the fifth week of enrolment, shall be recorded as having withdrawn from that course or degree.

Discontinuation

9. A candidate who discontinues enrolment in a course or degree after the end of the fifth week of enrolment shall be recorded as 'Discontinued - Not to count as failure'.

Restriction upon re-enrolment

There are certain circumstances in which you could be asked to show good cause why you should be permitted to repeat any previously attempted study. Liability for exclusion from re-enrolment is determined by academic attainment during the immediate past one or two academic years (depending upon the faculty, college or board of studies concerned). The resolutions of the Senate restricting re-enrolment may be found in the University's Calendar, Vol. I: Statutes and Regulations. You should acquaint yourself with the resolutions relating to the studies in which you are enrolled. If you are in any doubt about your liability for exclusion following academic failure or discontinuation of courses you should seek advice from the Faculty Office.

It is not possible to define in advance all the reasons that constitute 'good cause' but serious ill health, or misadventure properly attested, will be considered. In addition your general record, for example in other courses, would be taken into account. In particular if you were transferring from another faculty your record in your previous faculty would be considered. Not usually acceptable as good cause are such matters as demands of employers, pressure of employment, time devoted to non-university activities and so on, except as they may be relevant to any serious ill health or misadventure.

Assessment

Timetables for examinations

Draft timetables are displayed on the University Intranet at <http://intranet.usyd.edu.au>, approximately 3 to 4 weeks before the commencement of examinations. Limited copies of the timetable will also be available in a hard copy format at the Student Centre. Enquiries about these may be made at the Student Centre.

Printed copies of the final timetables are available from the Student Centre and at the University farms.

Study vacation

A break after lectures at the end of each semester is set aside for examination study and preparation. The 2001 Semester 1 study break will extend between Monday 11 June and Friday 15 June. The semester 2 break will begin on Monday 5 November and continue through to Friday 9 November.

Notification of examination results

The results of annual examinations are available through the University Intranet by accessing the MyUni system at <http://intranet.usyd.edu.au>. Results are also posted through the mail service directly to you at the end of each semester. Results will no longer be posted on the notice boards outside the Student Centre.

Disclosure of examination marks

Final marks will appear on your annual result notice. Marks may also be obtained from your faculty for the minor components of assessment which make up the final marks. You are entitled to information about any details of the assessment procedures used to determine the final result.

Your examination scripts and any other assessment material may be retrieved within a reasonable time after the completion of assessment in each unit of study. This does not apply to examination papers that which involve the repeated use of the same material in successive examinations.

The NSW Freedom of Information Act ensures that students may, upon request, obtain a copy of their examination scripts or any other written answers to examinations questions. This is provided that a) the request is made within six months of the release of the results of the examinations and b) the examination involved was not a confidential examination paper.

Further tests

Students awarded an incomplete (M INC or INC) grade need to undertake a further test in order to pass the unit of study. Students in this category will be advised by the Departments of the availability of a further test. Further tests will be organised and scheduled by the Department concerned.

If you miss an examination

You are not automatically entitled to any special consideration should you miss an examination. However, should that occur you should report immediately to the Examinations Office (at the Student Centre, Carslaw Building) to see if any arrangements can be made.

Students with disabilities, medical conditions or injuries

Students with a disability, including serious medical condition, or recent injury, which puts them at a disadvantage during examinations should contact the Disability Services Office, Level 7, Education Building, Manning Road. Phone (02) 9351 4554, fax (02) 9351 7055.

If appropriate, special arrangements can be made to meet particular requirements.

Illness and misadventure-'Special Consideration' regarding examinations

(Please contact the Faculty Office for full details of application procedure.)

Your attention is drawn to the following resolutions of the Academic Board -

'Any student who desires special consideration by any Board of Examiners on the grounds of *illness or misadventure* must forward evidence of such to the Registrar before the commencement of the examination period concerned, unless the illness or injury takes place during the currency of the examinations, in which case the evidence must be forwarded as soon as is practicable, and not later than the last day of the examination timetable.'

In the case of illness, the request must be accompanied by a medical certificate signed by the student's medical practitioner. Such certificates should:

- (a) describe the nature of the student's illness;
- (b) indicate the degree of incapacity of the student and its duration or probable duration;
- (c) indicate the date[s] on which the student sought attention.

A Special Consideration form is available from the Student Centre or from the University Health Service. A Special Consideration form is also available from the Faculty Office. All forms must be lodged at the Student Centre.

Students who become ill immediately before or during an examination should notify an examination's supervisor who will arrange an escort to the University Health Service where they will be seen by a medical practitioner and where they may, if appropriate, continue their examination.

Should you find it embarrassing to state your difficulties in writing you should arrange an interview with the Dean of the Faculty.

The need to seek early advice

Many students in need of advice fail to make full use of the assistance available to them. If you believe that your performance during a unit of study, or your preparation for your examinations, has been adversely affected by medical, psychological or family circumstances, you should seek advice as early as possible. Members of the teaching staff, of the University Counselling Service, and of the University Health Service, are all available for consultation and can give advice on appropriate action to take.

Faculty policy on plagiarism

Plagiarism can be broadly defined as knowingly presenting another person's ideas, findings or written work as one's own by copying or reproducing them without due acknowledgment of the source. Plagiarism may involve copying the work of another student, or it may involve paraphrasing or copying a published author's text or argument without giving a reference. At its worst, plagiarism is theft.

If plagiarism is detected during assessments of submitted material, the student or group of students will fail the relevant assessment task. Plagiarism may result in failure of the unit of study or no award of the degree. All such decisions are subject to review by the Dean.

Postgraduate information

The higher degrees in the Faculty of Veterinary Science are:

- GradDipVetClinStud - Graduate Diploma in Veterinary Clinical Studies
- MScVetSc - Master of Science in Veterinary Science
- MVSc - Master of Veterinary Science
- MVetClinStud - Master of Veterinary Clinical Studies
- MVetStud - Master of Veterinary Studies
- PhD - Doctor of Philosophy
- DVSc - Doctor of Veterinary Science

The regulations covering the award of these degrees are printed in the University's Calendar, Vol. I: Statutes and Regulations. Prospective candidates should consult with the Head of the Department most closely concerned before submitting an application for admission to candidature.

The following statements summarise only portions of the by-laws and resolutions of the Senate governing the award of these degrees.

Graduate Diploma in Veterinary Clinical Studies

Persons holding the degree of Bachelor of Veterinary Science from the University of Sydney (or equivalent), which is registrable by the Board of Veterinary Surgeons of NSW, may apply for admission to candidature for the Diploma in Veterinary Clinical Studies.

A candidate for this diploma shall pursue, as a full-time student, such units of study as the Faculty, on the recommendation of the Head of the Department of Veterinary Clinical Sciences, shall prescribe for not less than one year. Assessment is by satisfactory completion of course, practical work and examinations, as prescribed by the Faculty.

Master of Science in Veterinary Science

Persons holding a Bachelor's degree with first or second class honours may apply for admission to candidature for the degree of Master of Science in Veterinary Science. Applicants holding the degree of bachelor of the University of Sydney without honours but who have completed work equivalent to a degree of bachelor with honours or who have passed a preliminary examination or examinations as prescribed by the Faculty may be accepted as candidates.

A candidate for this degree shall complete such units of study as are prescribed by the head of the department concerned and carry out research under the guidance of a supervisor for not less than one year. A thesis must be submitted, embodying the results of this research.

Master of Veterinary Science

Persons holding the degree of Bachelor of Veterinary Science may apply for admission to candidature for the degree of Master of Veterinary Science. Graduates in veterinary science from other universities may also, with the approval of the Faculty and the Academic Board, be admitted as candidates.

A candidate for this degree shall pursue a course of advanced study and research under the guidance of an adviser or supervisor for not less than one year and submit a thesis embodying the results of his or her investigation.

Master of Veterinary Clinical Studies

Persons holding the degree of Bachelor of Veterinary Science may apply for admission to candidature for the degree of Master of Veterinary Clinical Studies. Graduates in veterinary science from other universities may also, with the approval of the Faculty and the Academic Board, be admitted as candidates. Candidates shall be registrable by the Board of

Veterinary Surgeons of New South Wales, unless exempted by the Faculty.

A candidate for this degree shall, for at least two years, engage in full-time supervised advanced veterinary clinical study and research and submit a thesis embodying the results of an original investigation.

Master of Veterinary Studies

Persons holding the degree of Bachelor of Veterinary Science may apply for admission to candidature for the degree of Master of Veterinary Studies in the following areas: Veterinary Pathology, Veterinary Radiology and Diagnostic Imaging, Veterinary Anesthesia, Avian Health and Production, Wildlife Medicine and Husbandry and Zoo Animal and Wildlife Pathology. Graduates in veterinary science from other universities may also, with the approval of the Faculty and the Academic Board, be admitted as candidates.

Except for candidature in the subject areas of Avian Health and Production and Veterinary Radiology and Diagnostic Imaging, an applicant shall have qualifications registrable by the Board of Veterinary Surgeons of New South Wales. An applicant for admission to candidature in the subject area of Wildlife Medicine and Husbandry shall produce evidence of having worked for a period of not less than eight weeks in an institution which is concerned with the maintenance and care of wildlife and has been approved by the Faculty. A candidate shall, for a period of not less than one year as a full-time student, or not less than two years as a part-time student, follow such units of study and pass such examinations as the Faculty, on the recommendation of the Head of the Department or departments concerned, may prescribe.

Veterinary Pathology (not offered in 2001)

A candidate for the degree in the subject area of Veterinary Pathology shall pass written and/or oral examinations in each of the following subjects:

- Clinical Pathology
- Bacteriology
- Pathology
- Veterinary Parasitology
- Virology.

Veterinary Radiology and Diagnostic Imaging (not offered in 2001)

A candidate for the degree in the subject area of Veterinary Radiology and Diagnostic Imaging shall pass written and/or oral examinations in each of the following subjects:

- Physics of Diagnostic Imaging
- Radiobiology and Radiation Protection
- Anatomy and Physiology considered in relation to diagnostic imaging
- Interpretation of clinical images
- Radiation therapy.

Veterinary Anaesthesia (not offered in 2001)

A candidate for the degree in the subject area of Veterinary Anesthesia shall pass written and/or oral examinations in each of the following:

Part 1

- Written and practical examinations:
- Anatomy, Physiology, Biochemistry and Physics considered in relation to anesthesia and intensive care;
- Pharmacology of drugs used for and in association with anesthesia and intensive care.

Part 2

- Written, clinical and practical examinations:
- The theory and practice of general anesthesia;
- The theory and practice of regional analgesia;
- Pre-operative assessment, preparation and medication, and the recognition and management of post-operative complications in so far as they are related to anesthesia and surgery;
- Fluid therapy and management of cases requiring intensive care.

Avian Health and Production

This degree course will provide advanced training in avian medicine. The candidate will have the option of specialising in either poultry medicine or caged and exotic bird medicine.

The candidate is expected to carry out original investigations into, and submit a report on, an approved project, and will make oral and written presentations on minor projects.

The candidate must pass written, oral and practical examinations in the following areas:

- Diseases of management
- Epidemiology
- Medicine
- Surgery
- Therapeutics.

Wildlife Medicine and Husbandry

A candidate for the degree in the subject area of Wildlife Medicine and Husbandry shall:

- (a) complete satisfactorily and submit a report as a Resident on an approved full-time program of study of at least one semester's duration at an institution which is concerned with the maintenance and care of wildlife and has been approved by the Faculty; and
- (b) present a report embodying the results of an original investigation carried out on a full-time basis over not less than one semester in the University of Sydney, or at an institution which is concerned with the maintenance and care of wildlife and has been approved by the Faculty; or complete satisfactorily and prepare for publication case reports derived from clinical activities during the Residency program.
- (c) The candidate will be required to enrol for a module of the Applied Science program in Wildlife Health and Population Management. Unless otherwise determined, candidates for the MVetStud will undertake the core module Australian Wildlife: Introduction (WELD5001) with its associated assessment tasks.
- (d) pass written and/or oral examinations that encompass the following subjects:
 - Management of captive animals
 - Management of free living wildlife
 - Zoological medicine
 - Diseases of free living wildlife
 - Nutrition and reproduction of wildlife.

The Faculty shall appoint a suitably qualified person to act as a supervisor of each candidate for the degree.

Zoo Animal and Wildlife Pathology (not offered in 2001)

A candidate for the degree in the subject area of Zoo Animal and Wildlife Pathology shall:

- (a) present a report embodying the results of animal cases examined while at *the* institution of study;
- (b) present a seminar based on a case or cases examined while at the institution of study; and
- (c) pass a viva voce examination in each of the following subject areas:
 - The theory of general pathological principles
 - The theory of diseases affecting zoo animals and wildlife.
 - The practical aspects of necropsy technique, general laboratory techniques and histopathological skills.

Doctor of Philosophy

Graduates who hold the degree of Master of Veterinary Science, Master of Veterinary Clinical Studies, Master of Science in Veterinary Science or Bachelor of Veterinary Science with Honours may apply for admission as candidates for the degree of Doctor of Philosophy in the Faculty of Veterinary Science. Applicants not having an honours degree may be accepted as candidates after passing a qualifying examination. Graduates of other universities may also be admitted as candidates provided that their qualifications satisfy the Academic Board of the University of Sydney.

The degree may be taken on either a full-time or part-time basis.

In the case of full-time candidates, the minimum period of candidature is two years for candidates holding a master's degree or equivalent, or three years in the case of those holding a bachelor's degree with first class or second class honours. The maximum period of candidature is normally five years.

Part-time candidature may be approved for applicants who can demonstrate that they are engaged in an occupation or other activity which leaves them substantially free to pursue their candidature for the degree. Normally the minimum period of candidature will be determined on the recommendation of the Faculty but in any case will not be less than three years; the maximum period of candidature is normally seven years.

Doctor of Veterinary Science

The degree of Doctor of Veterinary Science is not conferred until the candidate is a graduate of eight years' standing from the degree that qualified him or her for candidature. The degree is awarded for published work that is recognised by scholars as a distinguished contribution to knowledge.

Postgraduate scholarships

The table of scholarships listed on the next page is a summary only. For further information contact the Scholarships Office.

Scholarship	Value \$	Closing date	Qualifications
1. Awards restricted to Veterinary Science postgraduates			
For further information regarding these awards contact the Faculty Office.			
Lionel Lonsdale Clinical Fellowships	26 500	As advertised	For research at Sydney Veterinary Teaching Hospital and Clinic in diseases of domestic animals
F.H. Loxton Postgraduate Studentships	equiv. to APA	As advertised	Graduates of any university for research in veterinary science
Sara and Anne Payten Canine Cancer Research Fund		As advertised	Postgraduate study and research. (Value as recommended by the Head of Department of Veterinary Clinical Sciences.)
Jean Walker Trust Fellowships	equiv. to APA	As advertised	Postgraduate study and research
Jean Walker Trust Supplementary Fellowships	Max. 5000	As advertised	Postgraduate study and research
James Ramage Wright Research	Max. 5000	As advertised	Postgraduate Scholarships study and research into the problems of animal production
2. Other awards open to Veterinary Science postgraduates			
<i>(a) Tenable at the University of Sydney</i>			
Australian Postgraduate Awards (APA)	17 071 pa	October	Open to citizens and permanent residents of Australia for higher degree by research
University of Sydney Postgraduate Award (UPA)	equiv. to APA	October	Similar to APA
<i>(b) Travelling scholarships</i>			
Harriett Beard Scholarship	up to 15 500	March	Postgraduate study and research in physical sciences - engineering, veterinary science and dentistry
Boulton Postgraduate Scholarship	up to 15 500	March	Postgraduate study or research for graduates educated within the Australian public educational system
C.G. Heydon Travelling Fellowship	up to 15 500	March	Postgraduate study or research in biological sciences at overseas institutions
William and Catherine McIlrath Scholarship	25 000	March	Postgraduate study or Scholarship research overseas
J.B. Watt Travelling Scholarship	up to 15 500	March	Postgraduate study or research overseas
Eleanor Sophia Wood Postgraduate Scholarship	up to 15 500	March	Postgraduate study or research overseas
<i>(c) Grants-in-aid restricted to Veterinary Science postgraduates</i>			
Sir Ian Clunies Ross Scholarship	up to 500	End February	Postgraduate candidature related to research in the wool industry
N.P.H. Graham Scholarship	up to 500	End February	Postgraduate candidature related to research in sheep medicine
Goldia and Susie Lesue Scholarship	up to 3000	End February	Postgraduate candidature in the Department of Veterinary Clinical Sciences'
Neil and Allie Lesue Scholarship	up to 3000	End February	Postgraduate candidature in the Department of Veterinary Clinical Sciences
Eric Horatio Maclean Scholarships	up to 1000	End February	Postgraduate candidature
Stock and Meat Industries Grant-in-Aid	up to 750	End February	Postgraduate candidature in research related to the Stock and Meat Industries
<i>(d) Other grants-in-aid open to Veterinary Science postgraduates</i>			
Royston George Booker Scholarships	up to 1000	April	Postgraduate study or research overseas
Herbert Johnson Travel Grants	up to 1000	April	Postgraduate study or research overseas
J. Kentley Memorial Scholarship	up to 1000	April	Postgraduate study or research overseas
James King of Irrawang Travelling Scholarship	up to 1000	April	Postgraduate study or research overseas
G.H.S. and I.R. Lightoller Scholarship	up to 1000	April	Postgraduate study or research overseas

Other Faculty information

Faculty Office

The Office of the Faculty of Veterinary Science is in the J.D. Stewart Building, in Room 218.

All enquiries in relation to matters specific to the Faculty should be made at this office in the first instance, including:

- enrolments in the Faculty,
- special information about admission to the Faculty,
- applications for credit for previous studies,
- facilities available in the Faculty, and
- other Faculty matters.

Timetables

Copies of the Faculty lecture timetables and location of theatres are available from the office prior to the commencement of each academic year. Copies are also displayed on the Faculty noticeboard.

Mail collection

There are pigeon-hole facilities for mail collection in the J.D. Stewart Building, and you are advised to check them regularly for any messages.

Lockers and change room facilities

Lockers may be hired. Change room facilities including hot showers are also available.

Photocopying

There is a coin-operated photocopying machine for student and staff use in the J.D. Stewart Building.

Faculty staff

Members of the teaching staff may be consulted throughout the year about any problems regarding the course.

General information and advice

In Orientation week, newly-enrolled first year students are introduced to the Faculty. There is a short ceremony in which the Dean, Sub-Dean Students, and the President of the Veterinary Student Association, welcome the students. This is followed by a tour of the Veterinary Science precinct and a barbecue. On the following day students visit the Camden campus and receive information on Faculty and University services and facilities.

Academic

For academic questions affecting courses of study you should see the appropriate faculty or college office, or for questions on course content, see the lecturer concerned.

Learning Assistance Centre

The Learning Assistance Centre offers help to all students of the University who wish to develop their learning skills and their use of the English language to carry out their university studies.

Noticeboards

The main Faculty noticeboards are in the ground-floor corridor of the J.D. Stewart Building.

Current information about timetable changes, course announcements, tutorials, practical work, term tests, essays and recommended books is posted on faculty, college and departmental noticeboards. These noticeboards should be consulted regularly.

Publications

The University of Sydney Diary, the Map Guide, Faculty handbooks and other publications are available from the Student Centre.

Other sources

You may require advice of a different kind and in this case your first enquiries are often best made at the Student Centre.

Credit for courses completed

If you have already completed some tertiary study you may be eligible for credit for the courses already completed. Application for credit must be made separately after enrolment and no decision or comment on the likelihood of success or otherwise of the application will be made before then. Application forms are available in the Faculty Office. *Guidelines for applications for exemption from enrolment in units of study*

Students seeking exemptions are to supply detailed information to the Faculty Office at the time of lodgement of the application. The information required is a course or unit outline and a copy of the result notice including an explanation of the codes which appear on the notice. Copies of detailed learning objectives or topics should also be provided if possible.

The final decision is to be made by the Dean on the advice of the Associate Dean, Undergraduate Education, after consultation with the Head of Department or subject coordinator as applicable.

Please note that the average mark for the unit is awarded for credited units of study. This could affect the final WAM and therefore, the award of Honours at graduation.

Applications should be submitted to the Faculty Office by the end of the first week of the semester in which the relevant unit of study is administered.

Applications for exemptions for a year-long unit of study should be submitted by the end of the first week of March semester. Applications which refer to courses of units completed at other institutions will not be accepted unless accompanied by the required additional information.

Applicants with exclusion records

If you have already attended a tertiary institution and have been excluded, or are liable for exclusion, from a faculty or course, you should give a detailed statement of the reasons for your failure and why you consider you now have a chance of succeeding in the course of your choice. If your statement is based on medical grounds it must be supported by medical reports.

In addition to your UAC application, you must attach your statement to a *Special Consideration for Admission* form obtainable from the Student Centre, University of Sydney and return it no later than 31 October 2001 to the Admissions Office, University of Sydney, NSW 2006.

International students

Full fee paying overseas students can be admitted to the undergraduate course but must have achieved a similar standard to that expected of an Australian student seeking entry.

If you are an overseas student sitting an Australian Year 12 examination you should apply through UAC (see below). All other overseas applicants should apply to:

The International Office
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4161
Fax: (02) 9351 4013
Email: info@io.usyd.edu.au, reception@io.usyd.edu.au
Web: www.usyd.edu.au/homepage/exterel/internat/intindex.html

The International Office was established to help all international students with application and enrolment procedures and any other problems they encounter. The International Student Services Unit on the main campus can help with any problems arising during an international student's staying.

Special enrolment information

These are the special requirements for Veterinary Science students only:

First year science courses

Students in first year will be allotted to particular chemistry practical classes. The lists indicating these class sections will

be displayed outside the relevant laboratories before the beginning of the semester.

Attendance at lectures, and leave of absence

Attendance at lectures and such other classes as are prescribed for individual courses is compulsory. If for good reason you are unable to attend classes you should apply for leave of absence. In the case of illness your letter of application should be accompanied by a certificate from a registered medical practitioner.

Should you be absent from more than 10% of classes without permission you may be refused permission to take the examinations.

Appeals against grades

Students who wish to appeal against a mark or grade in a unit of study should complete *Examination Grades Appeal Form*, available at the Faculty Office.

Discontinuation

If you are contemplating discontinuing you should consult the Sub-Dean for students or a student counsellor before you commit yourself to a decision.

If you are enrolled in a course for a degree in the Faculty of Veterinary Science and, without permission of the Faculty, you discontinue a year or a full-year unit of study after the last day of the first week of July semester, or discontinue a one-semester unit after the last day of the seventh week of teaching, you will be deemed to have failed such year or unit.

The university's regulations governing 'Discontinuation, Exclusion and Suspension of Candidature' are available at www.usyd.edu.au/su/planning/policy/acad/aca-pol.html

Students re-enrolling after absence

If you were previously enrolled (even if you discontinued all units of study during the past year and were given 'repeat' status) and are eligible to re-enrol in the same degree or diploma course, you are required to lodge an Application for Re-enrolment by the specified date in the preceding year at the Student Centre. An Application for Re-enrolment form is available from the Student Centre or Faculty Office. Should your application be approved, you must complete your enrolment in accordance with the instructions included in the letter of approval to enrol.

If you have been enrolled in the course for the degree of Bachelor of Veterinary Science but have not re-enrolled for a period of one year or more, you must complete the requirements for the degree under such conditions as the Faculty may determine.

Academic dress

Members of the University appear in their academic dress on public occasions convened for academic purposes.

Details on the ceremonial robes for all degrees of the University are given in a leaflet on academic dress available from the Student Centre. The particular requirements for the BVSc and BSc(Vet) degrees are as follows:

Bachelor of Veterinary Science - a gown similar to that worn by graduates holding the degree of Bachelor of Arts in the University of Oxford or of Cambridge, hood of black silk edged with amber and purple silk, black cloth trencher cap.

Bachelor of Science (Veterinary) - a gown similar to that worn by graduates holding the degree of Bachelor of Arts in the University of Oxford or of Cambridge, hood of black silk edged with purple and gold silk, black cloth trencher cap.

Financial assistance

AUSTUDY - is the Commonwealth Student Assistance Scheme. To be eligible, a student must meet income test requirements, be an Australian citizen or permanent resident of Australia and be enrolled full-time in an approved course. Details and application forms are available from the Department of Employment, Education and Training and Youth Affairs, phone (02) 9911 0333.

ABSTUDY - is a Commonwealth Student Assistance Scheme for Aborigines and Torres Strait Islanders studying approved full-time or part-time courses after leaving school. Details and application forms are available from Department of Employment, Education and Training and Youth Affairs, phone (02) 99110333.

A limited amount of financial assistance for needy students is available from the University; further details are available from the Registrar's Office, (02) 9351 2416.

Accommodation

If you are planning to reside at the University in the event of an offer of enrolment being made, you should contact the College(s) of your choice early, - ie, before offers are made.

Colleges

St Andrew's College (men and postgraduate women),
Carillon Ave, Newtown 2042 (non-denominational)
Principal: Dr W L Porges, phone (02) 9565 7300

St John's College (men and women),
Missenden Rd, Camperdown 2050 (Catholic)
Rector: Mr Marshal McMahon, phone (02) 9394 5200

St Paul's College (men),
City Rd, Newtown 2042 (Anglican)
Warden: Rev Dr Ivan Head, phone (02) 9550 7444

Sancta Sophia College (women and postgraduate men),
Missenden Rd, Camperdown 2050 (Catholic)
Principal: Mrs Janice Raggio, phone (02) 9577 2100

Wesley College (men and women),
University Grounds, Newtown 2042 (Uniting)
Master: Rev Dr John Evans, phone (02) 9565 3333

Women's College (women and postgraduate men),
Carillon Ave, Newtown 2042 (Non-denominational)
Principal: Ms Quentin Bryce, phone (02) 9517 5000

Mandelbaum House (men and women),
385 Abercrombie Street, Darlington NSW 2008 (Jewish)
Principal: Mr Gidon Druery, phone (02) 9692 5200,
fax (02) 9692 5280

Halls of Residence

International House (men and women),
96 City Rd, Chippendale 2008 (Non-denominational).
Preference given to postgraduate and senior undergraduate students, phone (02) 9950 9800

WA. Selle House (men and women),
4 Arundel St, Forest Lodge 2037 (Non-denominational).
Provides rooms with a community kitchen,
phone (02) 9351 3322

STUCCO (men/women), phone (02) 9550 4089

Darlington House (men/women), phone (02) 9550 4727

University Terraces (men/women), phone (02) 9351 3322

Hostels

Arundel House, Arundel St Forest Lodge 2037 (Anglican)
Warden: Mrs. Ruth Lukabyo, phone (02) 9660 4881

St Michael's College (men),
150 City Rd, Darlington 2008 (Catholic)
Rector: Fr Kevin Muldoon, phone (02) 9692 0382 (principally for postgraduate students)

Foundations

Postgraduate Foundation in Veterinary Science

The purpose of the Foundation is to provide a comprehensive program of continuing veterinary education. The office is located on Level 2 of the Veterinary Science Centre. The Foundation is funded through its activities and also accepts donations from the profession and the wider community in support of its activities. A full-time Director coordinates a program of continuing education which includes refresher courses, distance education, symposia, workshops, publications, commissioned reviews and time-out seminars for veterinarians who have been away from clinical practice. The affairs of the Foundation are controlled by a Council elected by the members of the Foundation and appointed by the Senate of the University. Web: www.pgf.edu.au

Poultry and Dairy Research Foundations

The purpose of both Foundations is to provide an interface between the relevant industries in Australia and the University of Sydney. As such they undertake research relevant to these industries, assist in the training of scientific and technical

personnel to service the private and public sectors of the industries and act in an industrial liaison capacity. Both Foundations are actively involved in the dissemination of technical information to the industries through the organisation of annual scientific symposia.

Veterinary Science Foundation

This Foundation was established in 1986 and has a proud record of achievement in raising funds for the Faculty of Veterinary Science. During the past 10 years it has raised nearly \$10 million which has funded the purchase of the McMaster Laboratory and the construction of the 250 seat Veterinary Science Conference Centre, which also houses the University of Sydney Post Graduate Foundation in Veterinary Science.

The VSF has as its mission the promotion and support of the vital role of animals in Australian life through an ongoing, creative partnership with the Faculty of Veterinary Science. It aims to increase the public recognition of the importance of farm and companion animals, as well as our native fauna, and the essential role played by veterinarians in all aspects of animal care.

The affairs of the Foundation are conducted by a Council which is chaired by the President, Mr Dick Austen AO. Further information about the Foundation can be obtained from the Faculty Office on (02) 9351 2441.

Staff

Faculty

Dean

Professor Reuben J. Rose, DVSc, PhD, DipVetAn, FRCVS, FACBS, MACVSc. Appointed 1990

Pro-Dean

Associate Professor Wayne L. Bryden, MrurSc, DipEd (N.E.), PhD

Associate Deans

Animal Welfare

Dr Robert J. Dixon, BSc(Vet), BVSc, PhD (Massey)

Camden Campus

Associate Professor Garry M. Cross, MVSc, PhD

Postgraduate Education

Associate Professor Frank W. Nicholas, PhD (Edin.), BScAgr Research

Dr Herman W Raadsma, MSc(Agr)

Teaching Committee

Dr David L. Evans, BVSc, PhD

Sub-Dean Student Welfare

Dr G. Henry Collins, BVSc (Brist.), PhD (Massey), MRCVS

International Liaison Officer

Dr Rhondda B. Canfield, BVSc PhD, MRCVS

Undergraduate Admissions Committee

Dr Paul R. Hopwood, DipTertiaryEd (N.E.), BVSc, PhD, MRCVS

Faculty Manager

Cindy Wilkinson, BA(Hons), MMgmt (UTS)

Desktop Support Officer

David Liu

Administrative Assistants

Caroline Bugg

Tess La-Lande

Lee Mashman

Lyn Robson

Building Attendant, Veterinary Science Conference Centre

Chris Aquilina

Russell Clifton

Honorary Associates

Grahame Feletti, BVSc, PhD

Robert Ratcliffe, BVSc, M.A.C.V.Sc.

Departments

Animal Science

Sydney

Professor

David R. Fraser, PhD (Camb.), BVSc. Appointed 1986

Associate Professors

David L. Evans, BVSc, PhD

Gareth Evans, BA (Oxf.), PhD

Chis Maxwell, BScAgr, PhD

Christopher Moran, PhD(AiV. £/), BSc

Frank W. Nicholas, PhD (Edin.), BScAgr

Senior Lecturer

Rosanne M. Taylor, BVSc, PhD

Lecturers

Melanie Collier, BSc, PhD (Leeds)

Paul McGreevy, BVSc, PhD (Brist.)

Michelle L. Hyde, BscAgr, PhD

Senior Technical Officers

Irene van Ekris, BSc (J.C.U.)

Kim Heasman

Angelika Trube

Technical Officers

Dung T. Doan

Helen Hughes

Kerry Murdoch

Andrew Souter

Administrative Assistant

Margaret Byrne

Camden

Associate Professors

Derick Balnave, PhD, DSc (Belf), FRSCHEM

Wayne L. Bryden, MRurSc (N.E.), DipEd (N.E.), PhD

James M. Gooden, BAgSc (Adel.), PhD

Peter C. Wynn, MrurSc, DipEd (N.E.), PhD

Senior Technical Officer

Chris Stimson

Technical Officers

John McClure

Kim McKean

Kaylene A. Scrimgeour

Administrative Assistant

Elizabeth Thomas

Animal Attendant

Melinda Jones

Emeritus Professors

E.F. Annison, PhD, DSc (Lond.)

T.J. Robinson, PhD (Cantab), ScD (Cantab), MScAgr (WAust)

D.A. Titchen, MA, PhD, ScD (Camb.), BVSc

Honorary Associates

KBeh, BVSc, PhD

J. Catt, PhD (EastAnglia)

W.J. Fulkerson, BAgSc (WA), PhD

R. Giles, PhD

H. Greenfield, BSc(Hons), PhD (Lond.), RPHNutr (UK)

G. Greenoak, BA (Hons), Dip.Light Microscopy (Lond.),

Dip.Solar Sim. (Amer.Soc.Photobiology)

P.J. Healy, BVSc, PhD

R. Holmes, BVM&S (Uni of Edin.), PhD (Bris.) MRCVS,

FACVSc

A. Jackson, PhD (Monash)

R.C. Kellaway, BSc(Hort) (Lond.), PhD (N.E.), DTA(W/.)

I.C.A. Martin, BVSc PhD

S. Mortimer, BSc(Hons) Biological Sciences (N'cle N.S.W.), PhD Medicine

J. Newby, BSc (WA), BVMS(Hons) (WA)

E.J. Post, BSc(Hons), PhD (Med.)

K. Seksel, BVSc(Hons), BA (Macq.), MA (Macq.)

B.L. Sheldon, BAgSc, PhD

G.M. Stone, BscAgr, PhD

P. Williamson, BSc (N.E.), PhD

D. Zhang, BSc (*Jilin*), MSc (*Northeast Ag Uni*) (*P.R. China*)
 PhD (Agr)
Adjunct Professor
 J. Black, PhD (*Melb.*)
Veterinary Anatomy and Pathology
Professor
 Michael M. Bryden, BVSc (*Qld*), DScVM (*Cornell*), PhD
 DSc, FAIBiol. Appointed 1988
Hughes Professor
 Alan J. Husband, PhD DSc (*N'cle N.S.W.*), BScAgr, FASM.
 Appointed 1992
Associate Professors
 Paul J. Canfield, BVSc, PhD, FACVSc, MRCPath, MRCVS
 Dana N. Love, PhD, DVSc., FRCPath, MASM, FACBS
 Terence L.W. Rothwell, PhD, DVSc, MACVSc
 Nicholas C. Sangster, BSc(Vet), BVSc, PhD
Senior Lecturers
 G. Henry Collins, BVSc (*Brist.*), PhD (*Massey*), MRCVS
 Paul R. Hopwood, DipTertiaryEd (*N.E.*), BVSc, PhD,
 MRCVS
Ls ctu TG rs
 Rhondda B. Canfield, BVSc, PhD, MRCVS
 Malcolm P. France, BVSc, PhD
 Susan Hemsley, MVSc, PhD
 Glenn M. Shea, BVSc, PhD
Senior Research Fellow
 Vivienne E. Reeve, BSc, PhD
Professional Officer, Grade PV
 David L. Griffin, BSc (*Macq.*), DipMTA.I.M.L.T., MAIMS
Professional Officers Grade II
 Patricia A. Martin, MVSc
 Denise I. Wigney, BVSc, DipVetPath
Senior Research Officer
 Shisan Bao, MB BS (*S.S.M.U.*) (*P.R. China*), PhD
Postdoctoral Research Fellows
 Silvia Gonzalez-Ariki, PhD
 Aleta Knowles, BSc(Hons), PhD (*Qld*)
 Wendy Muir, BScAgr(Hons), PhD
Senior Technical Officers
 Karen L. Barnes, PTHC, BAppSc(MedLabSci) (*C. Sturt*)
 Richard Borg, BTHC, MISP
 Bozena Jantulik
 Sally E. Pope, BTHC
 George Tsoukalas, PTHC
Technical Officers
 Munif Allanson, BSc, BSc(Hons.U) (*Adel.*),
 GradDipMedLabSc (*USthAust.*)
 Elaine Chew, BSc, DipPathTech (*STQ*)
 Norman Dow
 Biljana Dumevska, DipPathTech *SIT*
 Svetlana M. Patoka, BSc (*Inst. ofKriboy Rog*), MTC
 Don Slade
Laboratory Assistant
 Frank Taeker, BSc (*Macq.*)
Research Support Worker
 Diane Domanski
Administrative Assistant
 Lyndell M. Tollefsen
Honorary Appointments
Emeritus Professors
 R.M. Butterfield, PhD, DVSc (*Qld*), MVSc, FACVSc
 C.H. Gallagher, PhD (*Lond.*), DVSc, FACVSc, FRCPath
Honorary Associates
 G.D. Bailey, BVSc, PhD, DipVetClinStud
 D.H. Cato, MSc, PhD
 T.M. Donnelly, BVSc, DipVetPath
 J.E. Wellington, MSc, PhD (*Macq.*)
 J.M. Whalley, BSc (*Edin.*), PhD (*Glasgow*)
 R.J. Whittington, BVSc, PhD, MACVSc
Adjunct Professor
 J.L. Black, BAgSc, DipEd, PhD

Adjunct Lecturer
 T.L. Rogers, PhD

Veterinary Clinical Sciences

Sydney
Professor
 Brian R.H. Farrow, BVSc, PhD, FACVSc. Appointed 1995
Associate Professor
 A. David J. Watson, BVSc, PhD, FRCVS, FAAVPT MACVSc
Senior Lecturers
 Phillip E. Davis, MVSc, MRCVS
 Geraldine B. Hunt, BVSc, MvetClinStud, PhD, FACVSc
 Richard Malik, PhD (*A.N. U.*), BVSc, MVetClinStud
 DipVetAn, FACVSc, MASM
Director, University Veterinary Centre, Sydney
 TBA
Senior Registrar
 Philip Moses, BVSc
Staff Veterinarians
 Julian Lunn, BVSc
 Martine Perkins, BVSc
Clinical Registrars
 Merran Govendir, BVSc
 Yukari Miyake, BVSc
 Sanaa Zaki, BVSc
Clinical Residents
 Judy Braddock, BVSc
 Julius Liptak, BVSc, MACVSc
 Penny Tisdall, BVSc
Visiting Lecturers/Demonstrators
 Anthony P. Black, BVSc, FACVSc
 David Clarke
 Ken Mason
 Jeffrey S. Smith, BVSc, DipACVO, FACVSc
 R. Max Zuber, BVSc, FACVSc
Senior Technical Officer
 Dorothy R. Lewis, MSc (*Br. Col.*)
Technical Officer
 Keith Ellis
Radiographer
 Helen M. Laurendet, BSc(Apl), MTR
Accounts Clerk
 Maureen Mahoney
Nursing Staff
 Rhonda L. Foreman
 Angela Howie
 Georgina Phillips
 Sarah Seymour
Animal Attendants
 Cara Chambers
 Antonio Nastasi
Administrative Assistants
 Leonie Beadman
 Trudi Billington
 Rhian Foster
 Patricia Roberts
Emeritus Professor
 M.J. Edwards, MVSc (*Liv.*), PhD, DVSc, MRCVS, MACVSc
Adjunct Professors
 G.S. Allan, MVSc, DipACVRad, FACVSc
 Robert Nicoll, BVSc, BSc(Vet), DACVR
Camden
Professor and Director, University Veterinary Centre, Camden
 David R. Hodgson, BVSc, PhD, DipACVIM, FACBS,
 FACSM, MRCVS. Appointed 2000.
Associate Professors
 Garry M. Cross, MVSc, PhD
 Robert J. Love, MVSc, PhD (*Brun*), FACVSc
Senior Lecturers
 Robert J. Dixon, BSc(Vet), BVSc, PhD (*Massey*)
 Anthony W. English, BVSc, PhD (*Qld*), FACVSc, RFD

Jennifer L. Hodgson, BVSc, DipVetPath, PhD (*Washington State*)

Lecturers

Kym A. Abbott, BVSc, MVS, FACVSc

Senior Veterinary Registrars

Gregory Bartlett, BSc, BVSc, MACVSc, MRCVSc

Andrew Dart, BVSc, DipVetCUnStud DipACVSc, MACVSc, DipECVSc

Christina Dart, DVetMed (*Zurich*), MVSc, DVSc (*Geulp*), DipACVA, MACVSc

Richard Lucy, BVSc, MACVSc

Robert Rheinberger, BVSc, MACVSc, MRCVSc

Linda Vogelneust, BVSc

Clinical Pathologist

Allan Kessell, BVSc, MVCS

Registrars

Bradley Dowling, BVSc(Hons), MVetClinStud

Kris Hughes, BVSc(Hons)

Natasha Lees, BVSc

Sarah Matthews, BVetMed, DipVetCUnStud

Robert Pottie, BVSc

Rita Singh, BSc (*Murdoch*), BVMS (*Murdoch*)(Hons), MACVSc

Clinical Resident

Marcel Vel Dum

Interns

Christopher Livingston, BVSc

Joanne Rainger, BScVet(Hons), BVSc(Hons)

Michael Wilson, BVSc

Nursing Staff

Debbie McClelland

Juanita Robertson

Karen Ross

Tabitha Shayler

Michelle Siskovic

Tara Wallace

Principal Research Fellow

Herman W. Raadsma, MSc(Agr), PhD

Senior Technical Officer

Marilyn Jones

Technical Officers

Gina Attard

Ron Henderson

Craig L. Kristo

Denise Oliff

Jiri Tasler

Research Assistants

Om P. Dhungyel, BVSc, MScVetSc

Manager, Equine Performance Laboratory

Shirley P. Ray, BAppSc (*N.S.W.I.T.*), MSc (*U.N.S.W.*), DipEd

Laboratory Assistant

Eileen Risby

Animal Attendants

Kevin Bertie

Byron Biffin

Matthew Van Dijk

David Palmer

Administrative Assistants

Janine Fisher

Helen FrappeU

Elaine McNeice

Cynthia Roper

Sandra Saville

Katherine Shepherd

Diane Woods

Selena Watson

Adjunct Professor

Ian J. Lean, BVSc, PhD, MACVSc

Adjunct Associate Professor

Ian Nielsen, BVSc, MACVSc

Teaching staff from other faculties

Biometry

Lecturer

Peter C. Thomson, MSc, MAppStat (*Macq.*), PhD

Chemistry

Director of First Year Studies

JuUa M. James, PhD (*Lond.*), MRACI Chem

Crop Sciences

Senior Lecturer

Dennis R. de Kantzow, BscAgr, DipAgrEc, FAIAS

Pharmacology

Senior Lecturer

Ian Spence, BSc, PhD (*Monash*)

Undergraduate scholarships and prizes

The table on the following page is a summary only. For further information contact the Scholarships Office.

Scholarship or prize	Value \$	Qualifications
Undergraduate		
Association of Avian Veterinarians Prize in Avian Medicine	-	Proficiency in Avian Medicine
Australian College of Veterinary Scientists (Chapter of Veterinary Pharmacology)	plaque	Proficiency in Veterinary Pharmacology and Toxicology
Australian Small Animal Veterinary Association Prize	300+medal +2 yrs membership	Proficiency in small animal medicine and surgery
Australian Society for Parasitology	400	Proficiency in 4th year Veterinary Parasitology
Auxiliary to the Australian Veterinary Association (NSW Division) Prize	80	Proficiency in Cell Biology and Veterinary Physiology Years 1 and 2
Australian Veterinary Association	book	Proficiency in Veterinary Pathology
Australian Veterinarians in Public Health	\$150 +Cert.	For Excellence in Veterinary Public Health Studies.
Auxiliary to the Australian Veterinary Association (NSW Division) Prize in Clinical Pathology	50 voucher	Proficiency in 4th year Veterinary Clinical Pathology
Auxiliary to the Australian Veterinary Association (NSW Division) Prize for Third Year students	50 books	Greatest improvement in 3rd year after passing 2nd year with an average mark of not more than 60%
Auxiliary to the Australian Veterinary Association (NSW Division) Prize in Animal Genetics	50	Proficiency in Animal Genetics
Baker & Ridley Memorial	150	Proficiency in 4th year Animal Husbandry Practical Report
H.G. Belschner	100	Proficiency in 1st year in sheep and wool
Rex Butterfield Prize in Veterinary Anatomy	50	Proficiency in 2nd year in Veterinary Anatomy
H.R. Carne Prize and Medal	250+medal	Proficiency in the examinations for the degree of Bachelor of Science (Veterinary)
Commonwealth Bureau of Animal Health	40	Proficiency in 4th year in Veterinary Surgery
Cooper Australia Ltd.	225	Proficiency in 4th year in Veterinary Parasitology
Alexander Donald Scholarship	450 x 3 yrs	Student from Sydney Grammar School. General proficiency at HSC
C.W Emmens Prize in Veterinary Physiology	100	Highest aggregate marks in 2nd and 3rd year Veterinary Physiology in sequential years
Farr Memorial	50	Proficiency in 1st year in horse husbandry
N.P.H. Graham	200	Proficiency in 5th year in the sheep component of Veterinary Medicine
John Gurner and Frederick Ebsworth	350x3	Proficiency in 1st year in Chemistry, Cell Biology 1A and Cell Biology 1B
Robert Reeves Hodgekiss Prize for Equine Research	250	Student essay
K.G. Johnston	150	Proficiency in Veterinary Clinical Pathology
Dr J. Lamond Memorial	Bursaries	Financial need and academic merit
Lonsdale	400, 200	Proficiency in 4th year in clinical studies
Wally McGreevy	150	Proficiency in Animal Behaviour and Welfare Science.
William James McHugh	300	Case report in equine medicine or surgery in 4th or 5th year
Metro Farms Pty. Ltd. Prize in Pig Medicine	50	Proficiency in final year in pig medicine
Martin McJrath Scholarship for Undergraduates	Up to 3000	General proficiency at HSC or examination proficiency for higher years; for ex-servicemen and male descendents of ex-servicemen; women are eligible if they are current or ex-members of the armed forces.
Virginia Osborne	250	Proficiency in 2nd year in anatomy of the horse
Richard Norman Sanders	600	Proficiency in 3rd - 4th year Clinical Studies.
W.R. Sidman Memorial Prize		Proficiency in 4th year in Veterinary Assoc. clinical studies. Prize of 3 yrs membership awarded by NSW Division of Australian Veterinary Association
Berri Sinkovic	200	Proficiency in 5 th year in poultry medicine
Stewart	180	Proficiency in 4th year in veterinary medicine
J.D. Stewart	60	Student essay
S.T.D. Symons	600	Proficiency in final year in clinical subjects
Vetnostics Prize	\$500	Proficiency in Veterinary Clinical Pathology.
WIRES Wildlife Prize	250	Best final year essay relating to Australian native wild life.

Facilities and student societies

The University of Sydney (Camden)

In 1954 the Australian Dairy Produce Board, the Australian Meat Board and the interdepartmental Committee on Wool Research gave the University of Sydney two farms, totalling 324 hectares, for the use of the Faculty of Veterinary Science. Since then, through additional bequests and by acquisition, the University now owns 1400 hectares of land in the Camden district. This, together with other property in the Moree and Marulan districts, comprises the University farms. All the farms are the responsibility of the Director of Properties and Investments. The Camden farms are grouped into three centres, all of which are about 65km from the main Sydney site and within easy access of the academic centre at Werombi Road. The farms are at Badgery's Creek, Bringelly and Cobbitty.

Academic developments at Camden

Most development is at the Corstorphine Centre. Land from the original gift of the industries boards has been set aside for

use by two departments of the Faculty of Veterinary Science and the Department of Agronomy of the Faculty of Agriculture. The faculty departments with major responsibilities at Camden are Animal Science and Veterinary Clinical Sciences. These departments are based in the J.L. Shute Building on Werombi Road. They have several major teaching and research units on nearby areas of the Corstorphine Centre. The Department of Animal Science has developed laboratories and other facilities for research in dairy cattle, poultry, sheep and meat. The University Veterinary Centre, Camden, is a major component of the Department of Veterinary Clinical Sciences. It is a mixed veterinary practice, providing services to the district. This department has also established and maintains separate pig and deer units. The Equine Performance Laboratory is also based at Camden.

In 1981 the University acquired a farm at Cobbitty. Here the Faculty of Veterinary Science has a horse breeding unit, and the Department of Animal Science's animal reproduction unit is also located at the same site.

Postgraduate training is a strong feature of the work of academic departments at Camden. Graduate students from Australia and overseas are engaged in research projects mostly concerned with primary industry disease and production problems. Some of their work entails the use of livestock on the University farms.

The University farms as a whole carry more than 400 milking cows and, with beef cattle and replacement stock, a total of more than 1200 cattle. They also carry about 2000 sheep, 30 horses, 80 deer, 2000 hens, 20 goats and 60 pigs. Almost all this stock is used in one way or another for teaching or research purposes, but in addition it produces a commercial income that defrays the basic costs associated with holding the farms and provides some funds for farm development, research and teaching.

The University farms at Camden are under the control of a director, who is responsible to the Vice-Chancellor. A Farms Advisory Committee advises the Vice-Chancellor on the role of the farms in teaching and research in the Faculties of Agriculture and Veterinary Science.

The Corstorphine Centre provides a base for a student accommodation unit, Nepean Hall. This gives students easy access to lectures and practical classes conducted by various departments of the faculties at Camden. Corstorphine is also the site of the Departments of Veterinary Clinical Sciences, Animal Science, and Agronomy, which occupy the University Veterinary Centre, Camden, the Shute Building, the Breakwell Building, the Poultry Research Centre, the M.C. Franklin Beef Research Centre and the Dairy Research Unit. Further large animal research and teaching facilities are provided by the Department of Animal Science on May Farm, which is only 3km south of Corstorphine.

The Bringelly Farms Centre, 10km north of Corstorphine, provides extensive sheep, beef and dairy cattle facilities for the Departments of Veterinary Clinical Sciences and Animal Science. Its irrigation resources are being further developed and it is becoming increasingly important as a research-teaching resource for other University departments.

As well as providing basic land, water and animal resources for a wide range of teaching and research in different departments, the farms serve the plant and animal industries by frequently acting as commercial testing sites for new plants, new fertilisers, new vaccines and antibiotics and new whole-farm management systems.

The University Veterinary Centre, Camden, staffed by the Department of Veterinary Clinical Sciences, in addition to offering a veterinary service for the district, provides clinical training for fifth year students.

Student usage of the farms takes two forms. In the first year, students take day excursions to the farms where they receive lectures and are given practice in animal handling and management. In fifth year they are in residence on the farms for the whole academic year as well as for a vacation period of three weeks working in the clinic.

In 1979 an additional livestock holding north of Marulan known as Arthursleigh came to the University as part of the Eric Holt bequest. It now consists of about 7900 hectares and is being developed as a large-scale sheep-beef property.

Corstorphine

To reach Corstorphine from Sydney, take Hume Highway (not the freeway) to the Cobbitty turn-off, which is to the right, 20 km from the Liverpool Post Office. Follow the road through Cobbitty to the Nepean River, cross the bridge, turn left and travel another 800 metres. The phone numbers are:
The University of Sydney (Camden) (02) 9351 1622
University Veterinary Centre Camden (02) 9351 1777
Students (02) 9351 1678, (02) 9351 1681, (02) 9351 1682,
(02) 9351 1683, (02) 9351 1684.

Nepean Hall

In 1964 Nepean Hall was established as a Hall of Residence on the University farms at Camden for final year Veterinary Science and Agriculture students.

Nepean Hall consists of two residential wings, which accommodate 85 students in furnished single study/bedrooms.

Residence in the Hall is non-compulsory but there is a high demand for places. Fees are kept at the lowest possible level with full board set at \$170 per week in 2001.

The Hall, with its spacious surrounds and panoramic views, offers a wide range of amenities including a recreational common room and music room, games rooms with table tennis, billiards and snooker, squash, tennis, football, recently completed gymnasium/sports pavilion, television and video equipment, barbecue and supper-making facilities. In addition, there is a library adjacent to the Hall and residents are permitted conditional access to it at night. There are four computers in the library for student use and about twenty computers in the Shute building for the same purpose. All computers are linked to the web and all students are given an e-mail address.

The management of Nepean Hall is vested in the Council consisting of:

- (a) the Vice-Chancellor (ex officio) or nominee;
- (b) the Warden of the Hall;
- (c) the Dean of the Faculty of Veterinary Science or nominee;
- (d) the Dean of the Faculty of Agriculture or nominee;
- (e) one student elected annually by and from students in residence in Nepean Hall who are candidates for the award of a degree or diploma in the Faculty of Veterinary Science;
- (f) one student elected annually by and from students in residence in Nepean Hall who are candidates for the award of a degree or diploma in the Faculty of Agriculture;
- (g) two persons appointed by the Senate on the recommendation of the Council to hold office for three years from 1 January following their appointment;
- (h) the Authorised Officer;
- (i) the Professor of Animal Science and the Professor of Veterinary Clinical Sciences.

Day-to-day activities of the Hall are the responsibility of a committee elected by the residents.

Rules

The following rules apply to students while resident in the Hall.

1. A visitor shall leave at any time if requested by the Warden.
2. A member of the Hall who is a student who commits a breach of the constitution or the rules or a breach of discipline or misconducts him or herself in or out of the Hall:
 - (a) may be fined by the Warden,
 - (b) may be suspended from residence in or attendance at the Hall by the Warden for a period not exceeding one month,
 - (c) may be suspended for any period by the Warden of the Hall or the Vice-Chancellor of the University,
 - (d) may be fined by the Council or the Vice-Chancellor in any amount, or
 - (e) may incur any penalty in accordance with academic usage which the Senate, the Proctorial Board of the University, the Council or the Vice-Chancellor or any other person authorised within the by-laws of the University may impose.

Appeals

Any person affected by a decision given under Rule 2 may appeal to the Council or the Vice-Chancellor in respect of any decision given by the Warden or any other person authorised with the maintenance of discipline and to the Senate where the decision is given by the Council or the Vice-Chancellor.

Addresses

The University of Sydney (Camden),
425 Werombi Road (Private Mail Bag 3), Camden 2570,
phone (02) 9351 1622, fax (02) 9351 1664.

Departments of Veterinary Clinical Sciences and Animal Science,
425 Werombi Road (Private Mail Bag 3), Camden 2570.

Department of Veterinary Clinical Sciences,
phone (02) 9351 1611, fax (02) 9351 1618.

Department of Animal Science,
phone (02) 9351 1665, fax (02) 9351 1693.

University Veterinary Centre, Camden,
410 Werombi Road, Camden 2570,
phone (02) 9351 1777, fax (02) 4655 1212.

Nepean Hall,
345 Werombi Road, Camden 2570,
phone (02) 9351 1662, fax (02) 4655 1111.

Camden Library,
Werombi Road, Camden 2570
phone (02) 9351 1627, fax (02) 4655 6719

Horse Unit,
65 Cobbitty Road, Cobbitty 2570,
phone (02) 4651 2568.

Lansdowne Farm,
74 Cobbitty Road, Camden 2570,
phone (02) 4651 2328.

May Farm,
May Farm Road, Mt Hunter, Camden 2570,
phone (02) 4654 5239.

McGarvie Smith Animal Husbandry Farm,
Elizabeth Drive, Badgery's Creek, 2171,
phone (02) 4774 8184.

Plant Breeding Institute,
107 Cobbitty Road, Cobbitty 2570,
phone (02) 9351 8800, fax (02) 9351 8875.

Wolverton Dairy Farm,
Greendale Road, Bringelly 2171,
phone (02) 4774 8013.

Libraries

University of Sydney Library

A large network of 24 Libraries supports staff and students of the University of Sydney. The specialist libraries for research in Veterinary Science are Badham Library and Camden Library. Fisher Library holds resources of interest to first year students.

The Library web site is located at www.library.usyd.edu.au and provides access to services including the Library catalogue and databases that index journal articles. Key databases for Veterinary Science are Medline, CAB Abstracts, Biological Abstracts and Zoological Record. Passwords to access these databases from outside campus are available to staff and students of the University. Please contact the Library for more information.

Badham Library

Ground Floor, Badham Building A16, Science Road,
Camperdown Campus, University of Sydney NSW 2006
Phone: (02) 9351 2728

Fax: (02) 9351 3852

Email: badham@library.usyd.edu.au

Open Monday-Friday 8.30 am - 7.30 pm and Saturdays
10 am - 5 pm during semester time; 9 am - 5 pm out of
semester. Check the web at [www.library.usyd.edu.au/Services/
Libraries/Badham/index.html](http://www.library.usyd.edu.au/Services/Libraries/Badham/index.html) for information on the current
opening hours.

Camden Library

University of Sydney Farms C15,
Werombi Road,
Camden NSW 2570

Phone: (02) 9351 1627

Fax: (02) 4655 6719

Email: camden@library.usyd.edu.au

Open Monday 10 am - 6 pm, Tuesday 11 am - 9 pm,
Wednesday, Thursday 9 am - 5 pm and Friday 8.30 am -
4.30 pm during semester time and Monday to Friday 8.30 am
- 4.30 pm out of semester time. Check the web at
www.libraries/Camden/index.html for information on the
current opening hours.

Clubs and societies

The Veterinary Alumni Association

The Veterinary Alumni Association was launched in August
1986. The aims of the association are to establish a link

between the Faculty and its graduates throughout Australia and overseas and to provide opportunities for graduates to renew acquaintances, participate in educational events and to promote the interests of both the Faculty and veterinary science generally.

Sydney University Veterinary Society

The Sydney University Veterinary Society, which was formed in 1914, seeks to foster good fellowship among graduates and undergraduates in the Faculty of Veterinary Science and to assist the development in its undergraduate element of a broad and comprehensive approach to matters of professional and public interest. The society conducts an annual ball, trivia night and many beginning and end of semester social gatherings, as well as providing surgical equipment and its own t-shirts, jumpers, baseball caps and much more. The journal of the society, *Centaur*, is published annually (see below).

Sydney University Veterinary Postgraduate Society

The Sydney University Veterinary Postgraduate Society is an association made up of all students enrolled in a postgraduate degree course within the Faculty of Veterinary Science. The postgraduates come from a wide range of undergraduate courses, including Veterinary Science, Agriculture, Science, Medical and even Engineering disciplines. The SUVPS aims to foster a postgraduate community, and to encourage academic and social interaction between postgraduates and staff members from different areas within the Faculty. The Society carries out these goals by organising speakers and social gatherings throughout the year, as well as providing peer support for its members.

Veterinary Science Common Rooms

The object of the Veterinary Science Common Rooms is to provide a place to meet members of the teaching staff, postgraduates and other undergraduate students, and a place where they can meet other members of the University and visitors. Light meals and refreshments are available.

Publications

Centaur is an annual, illustrated journal of contributions from students edited by a student elected to the task. It covers the highlights of the year and is eagerly awaited by both students and staff. Costs of producing the latest edition were met by advertisers. Contributions are actively sought throughout the year.

History of the Faculty

Veterinary education in New South Wales began in the 1880s when the Sydney Technical College established the two-year course of instruction, Elementary Veterinary Science. In 1909 the University of Sydney, with the support of the New South Wales Government, established a veterinary school and appointed James Douglas Stewart, MRCVS, the Director and Professor. The School officially opened in 1910 when 16 students enrolled in the first year of a five-year course leading to the degree of Bachelor of Veterinary Science. Initially the students were accommodated in the basement of the then Fisher Library in the southwest corner of the Main Quadrangle, but towards the end of 1913 they were moved completely into the present main building (J.D. Stewart Building).

The First World War delayed the development of the School with many graduates and undergraduates volunteering for active service. Even after the war recovery of the School was slow and it took the full resources of Professor J.D. Stewart to justify the continuing existence of the Veterinary School. Gradually the numbers of enrolled students increased, while the graduates of the School enhanced its reputation. By 1928 there were 25 undergraduates, which increased to over 100 in 1935. In 1930 the Veterinary School of the University of Melbourne ceased its undergraduate training and the Sydney School became solely responsible for veterinary training in Australia until the Queensland Veterinary School opened in 1936 and the Melbourne Veterinary School reopened in the 1960s.

In 1936 the University, in association with the McGarvie Smith Institute, purchased and developed a 160 hectare property at Badgery's Creek, to be used for the training of veterinary students in animal husbandry. The purchase coincided with the reintroduction, in 1937, of a five-year course of studies and training for the BVSc degree the course had been reduced to four years in 1914. In 1939 Professor Stewart retired. From the opening of the School he had been the Director, which he remained until 1920 when the Veterinary School was given full status as a faculty and he became Dean of Veterinary Science. It was his energy that had brought about the regulation of the practice of veterinary science in New South Wales with the passing of the *Veterinary Surgeons Act* in 1923. It was his drive that led to the growth of the Faculty until the Second World War.

Widi the temporary closure of the Queensland Veterinary School during the Second World War, Sydney once again became solely responsible for veterinary education in Australia. In 1939 extensions to the main buildings were added and in 1946 the temporary building for the Department of Veterinary Pathology and Bacteriology was constructed. In 1949 some temporary buildings were erected to provide further accommodation for the Veterinary Teaching Hospital. In 1954 additional farm facilities were acquired at Camden. The Camden farms provide final year students with animal units for the teaching of husbandry and disease control, and with a veterinary clinic and hospital, lecture theatres and teaching laboratories, and a hall of residence (Nepean Hall).

Although the development of the Veterinary School is far from complete, extensive hospital and clinic buildings (Evelyn Williams Building), an Animal Science building (R.M.C. Gunn Building) and the Veterinary Science Conference Centre (opened 1998) have been erected at the Sydney campus.

In 1997 the Departments of Veterinary Anatomy and Veterinary Pathology amalgamated to form the Department of Veterinary Anatomy and Pathology. In the same year pathology staff and equipment were relocated into the adjacent building, previously known as the (CSER.O) McMaster Building, enabling the 1946 temporary building (mentioned above) to be demolished.

Also in 1997 the Department of Animal Health amalgamated with the Department of Veterinary Clinical Sciences and the combined department is known as the Department of Veterinary Clinical Sciences.

In 1998 the names of the Faculty's two veterinary hospitals were changed. The Veterinary Teaching Hospital on the Sydney campus was named The University Veterinary Centre, Sydney, and the Rural Veterinary Centre at Camden was named The University Veterinary Centre, Camden.

The Faculty now consists of three departments, Animal Science, Veterinary Anatomy and Pathology and Veterinary Clinical Sciences, and over 2800 students have been awarded the BVSc degree. Apart from the growth in undergraduate teaching, there are a number of postgraduate diplomas as well as courses leading to the degrees of Master of Science in Veterinary Science, Master of Veterinary Science, Master of Veterinary Studies, Master of Veterinary Clinical Studies and Doctor of Philosophy available to graduates. Future progress is assured.

New Bachelor of Veterinary Science (BVSc)

The Faculty of Veterinary Science completed a comprehensive review of the Bachelor of Veterinary Science (BVSc) in 1999. The review involved not only academic staff and students, but also members of the veterinary profession. The review process identified many areas that needed improvement, and the revised course commenced with the Year 1 students enrolling in 2000.

One of the major driving philosophies has been greater integration of topics within the course, and a need for more contextual learning. The Faculty has committed to earlier introduction of units of study that deal with animal behaviour, clinical problems and diseases and the integration of topics. In addition, new topics have been introduced that deal with some of the core elements of veterinary practice, such as communication and business skills.

Some important features of the new course include:

- Physics is no longer taught as a discreet unit of study in Year 1. Appropriate content is introduced contextually throughout the course.
- Chemistry content has been reduced and revised, reflecting the specific needs of the Faculty.
- Biochemistry and Cytology content have been integrated in new units of study in Cell Biology presented in Year 1.
- Veterinary Anatomy and Physiology units have been integrated in Years 1 and 2.
- A new unit in Veterinary Conservation Biology has been introduced in Year 2.
- New Professional Practice units have been introduced for Years 1-3. These units emphasise personal and professional development, and focus on generic skills and attributes of students. They also facilitate contact between students and mentor veterinary practices, and problems and scenarios in veterinary science will be studied from Year 1. Examples of issues covered include aspects of animal euthanasia, client communication, grief management, and legislative concerns in veterinary science.
- Units in Bacteriology, Virology and Parasitology have been replaced by units in Veterinary Pathobiology. The new units emphasise an integrated approach to cases and problems in animal disease.
- A new unit in Animal Behaviour and Welfare Science has been introduced in Year 3 of the course.
- Animal Husbandry in Year 1 has been expanded, and integrates selected topics. Aspects of feeding and management of companion animals have been expanded in these units. These changes are predicated on the assumption that students should be able to give sound advice on vaccination, common diseases and feeding of animals in their first year of study in the BVSc.
- Animal Genetics and Biometry is also taught as an integrated unit of study in Year 2.
- The revised course will also introduce a new elective unit in Year 5.

In addition, the Faculty will introduce a major change to the final two years of the degree. Students will spend their final year in clinical practice activities, in what will be in effect, a transition year to practice. Currently, veterinary science students spend their 4th year in Sydney, where as well as receiving lectures and practical classes, they also participate in case management at the University Veterinary Centre, where clients bring their sick domestic pets. In final year, the students currently live at Camden, where they are involved in large animal work and also participate in the activities of University Veterinary Centre Camden, which has a focus on health and production of farm animals and horses. The new proposal involves students completing their lectures and practical classes in 4th year, with the first half of the year at Sydney and the second half at Camden, starting in Year 4 in 2003. There will be limited clinical case management during this year but the students will be involved in practical classes to gain expertise in medicine, surgery, radiology, anaesthesia

and clinical pathology of both small and large animals. The final year would then be a practice-based year, with periods of time spent in the University Veterinary Centres at Sydney and Camden, as well as in private veterinary practices. We believe that these changes will permit students to make the best use of clinical case material during their final year. We are confident that these changes to the course will retain the strong scientific background that has been a long-term strength of the degree. The changes will also contribute to development of the skills and professional competence of our graduates, and so ease the transition to the sometimes very demanding work schedules and challenges involved in a veterinary practice.

Feedback from students and graduates has been fundamentally important during the Faculty's deliberations on the course revisions. Continual re-evaluation of the strengths and weaknesses of the course will be undertaken with the assistance of the Centre for Teaching and Learning. Annual surveys of students and graduates will also help the Faculty maintain a dynamic and innovative course that meets the needs of our talented, enthusiastic students and the community.

The following table lists the units of study in the new course. Unit of study names and credit points may be changed as part of further refinement of the course.

Unit of study	Credit points
Year 1 (from 2000)	
<i>February Semester</i>	
VETS 1006 Animal Husbandry 1A	5
VETS 1013 Cell Biology 1A	4
CHEM 1405 Chemistry	6
VETS 1014 Veterinary Anatomy & Physiology 1A	6
VETS 1021 Professional Practice 1A	3
<i>July Semester</i>	
VETS 1017 Professional Practice 1B	3
VETS 1018 Cell Biology 1B	6
VETS 1019 Animal Husbandry 1B	7
VETS 1020 Veterinary Anatomy & Physiology 1B	8
Year 2 (from 2001)	
<i>February Semester</i>	
VETS 2008 Professional Practice 2	4
VETS 2009 Genetics & Biometry	6
VETS 2010 Animal Digestion and Nutrition	7
VETS 2011 Veterinary Anatomy and Physiology 2A	7
<i>July Semester</i>	
VETS 2012 Equine Anatomy	4
VETS 2013 Principles of Disease	8
VETS 2015 Veterinary Conservation Biology	4
VETS 2016 Veterinary Anatomy and Physiology 2B	8
Year 3 (from 2002)	
<i>February Semester</i>	
VETS 3010 Veterinary Pathobiology 3A	8
VETS 3011 Veterinary Pathobiology 3B	8
VETS 3013 Veterinary Pharmacology and Toxicology	3
VETS 3018 Animal Behaviour and Welfare Science	3
VETS 3019 Professional Practice 3A	2
<i>July Semester</i>	
VETS 3020 Veterinary Pathobiology 3C	7
VETS 3025 Veterinary Pathobiology 3D	7
VETS 3027 Veterinary Medicine 3	3
VETS 3035 Veterinary Surgery 3	3
VETS 3030 Veterinary Radiology 3	1
VETS 3029 Veterinary Anaesthesia 3	1
VETS 3036 Professional Practice 3B	2
Year 4 (from 2003)	
<i>February Semester</i>	
VETS 4000 Veterinary Surgery/Applied Anatomy	6
VETS 4003 Animal Husbandry Practical Report	2
VETS 4001 Veterinary Anaesthesia 4	2
VETS 4002 Veterinary Medicine and Clinical Pathology	8
VETS 4011 Veterinary Radiology	2
VETS 4019 Veterinary Public Health	4
<i>July Semester</i>	
VETS 4020 Cattle Health and Production	6
VETS 4024 Sheep Health, Production and Surgery	4
VETS 4025 Horse Medicine	4
VETS 4027 Pig Health and Production	4
VETS 4028 Bird Health and Production	4
VETS 4029 Special Veterinary Medicine	2
Year 5 (Year-long units of study) (from 2004)	
VETS 5001 Small Animal Medicine	10
VETS 5006 Small Animal Surgery	8
VETS 5011 Large Animal Medicine	6
VETS 5012 Large Animal Surgery	3
VETS 5013 Veterinary Clinical Pathology	3
VETS 5015 Veterinary Anaesthesia 5	3
VETS 5020 Radiology	3
VETS 5021 Production Animal Medicine and Surgery	3
VETS 5022 Elective	3
VETS 5023 External Clinical Rotations (Small Animals)	3
VETS 5024 External Clinical Rotations (Large Animals)	3

General University information

See also the Glossary for administrative information relating to particular terms.

Accommodation Service

The Accommodation Service assists students to find off-campus accommodation by maintaining an extensive database of suitable accommodation in various areas but primarily close to University or within easy access via public transport.

Level 7, Education Building, A35

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 3312

Fax: (02) 9351 8262

TTY: (02) 9351 3412

Email: accomm@stuserv.usyd.edu.au

Web: www.usyd.edu.au/su/accomm

Admissions Office

The Admissions Office is responsible for overseeing the distribution of offers of admission to undergraduate students through the Universities Admissions Centre (UAC) and can advise prospective local undergraduate students on admission requirements. Postgraduate students should contact the appropriate faculty. Applicants without Australian citizenship or permanent residency should contact the International Office.

Student Centre

Ground Floor, Carslaw Building, F07

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 4117 or (02) 9351 4118

Fax: (02) 9351 4869

Email: admissions@records.usyd.edu.au

Applying for a course

Prospective (intending) undergraduate students must lodge an application form with the Universities Admissions Centre (UAC) by the last working day of September of the year before enrolment for all courses except the graduate dental and medical programs, which require direct application to the faculties of Dentistry and Medicine. Note that some faculties may have additional application procedures.

Assessment

For matters regarding assessment, refer to the relevant Department or School.

Casual Employment Service

The Casual Employment Service helps students find casual and part-time work during their studies and in University vacations.

Level 7, Education Building, A35

The University of Sydney

NSW 2006 Australia

Phone: (02) 9552 2589

Fax: (02) 9552 4713

Email: ces@stuserv.usyd.edu.au

Web: www.usyd.edu.au/su/cas_emp

Centre for English Teaching

The Centre for English Teaching provides a variety of full-time English language courses for adult students at all levels of proficiency, including General English from Beginner to Advanced, IELTS preparation, and a range of specific

programs in English for Academic Purposes designed to bring international students up to the required English language entry levels for degree programs at the University.

Level 2, Building F, 88 Mallett St

Camperdown NSW 2006

Phone: (02) 9351 0706

Fax: (02) 9351 0701

Email: info@cet.usyd.edu.au

Web: www.usyd.edu.au/cet

Child Care

Contact the Child Care Coordinator for information about Children's Services for students and staff of the University who are parents.

Child Care Coordinator

Level 7, Education Building, A35

Phone: (02) 9351 5667

Fax: (02) 9351 7055

TTY: (02) 9351 3412

Email: childc@stuserv.usyd.edu.au

Web: www.usyd.edu.au/su/childcare

Co-op Bookshop

Sells textbooks, reference books, general books and software. Special order services available. The Co-op Bookshop is located at:

Sydney University Sports and Aquatic Centre, G09

Cnr Codrington St and Darlington Rd

Phone: (02) 9351 3705 or (02) 9351 2807

Fax: (02) 9660 5256

Email: sydu@mail.coop-bookshop.com.au

Web: www.coop-bookshop.com.au

Counselling Service

The Counselling Service aims to help students fulfil their academic, individual and social goals through professional counselling which is free and confidential.

Level 7, Education Building, A35

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 2228

Fax: (02) 9351 7055

TTY: (02) 9351 3412

Email: counsell@mail.usyd.edu.au

Web: www.usyd.edu.au/su/counsel

Disability Services

Disability Services is the principal point of contact and advice on assistance available for students with disabilities. The Service works closely with academic and administrative staff to ensure that students receive reasonable accommodations in all areas of their study. Assistance available includes the provision of notetaking, interpreters, and advocacy with academic staff to negotiate assessment and course requirement modifications where appropriate.

Level 7, Education Building, A35

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 4554

Fax: (02) 9351 7055

Email: disserv@stuserv.usyd.edu.au

Web: www.usyd.edu.au/su/disability

Enrolment and pre-enrolment

Students entering first year

Details of the enrolment procedures will be sent to new undergraduate students with their UAC Offer of Enrolment. Enrolment takes place at a specific time and date, depending on your surname and the faculty in which you are enrolling, but is usually within the last week of January. You must attend the University in person or else nominate, in writing, somebody to act on your behalf. On your enrolment day, you pay the compulsory fees for joining the Student Union, the Students' Representative Council and the student sporting

bodies. Fees for certain courses are also payable at enrolment as is upfront HECS if you decide to pay with this option. You also choose your first-year units of study, so it's important to consult the faculty handbook before enrolling. Faculty handbooks can be purchased at the Student Centre, or found on the web at www.usyd.edu.au/studentcentre/enrolments.

Re-enrolling students

For re-enrolling students, enrolment is accomplished via pre-enrolment which is compulsory. A pre-enrolment package is sent to all enrolled students in early October which contains instructions on pre-enrolment procedures.

Examinations

The Examinations and Exclusions Office is usually responsible for examination seat numbers, examination timetabling and examination arrangements. This information is available to students via the web (MyUni).

Examinations and Exclusions Office

Student Centre

Level 1, Carlaw Building, F07

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 4005 or (02) 9351 5054

Fax: (02) 9351 7330

Email: exams.office@exams.usyd.edu.au

Note that some faculties, such as the Sydney Conservatorium of Music, make all examination arrangements for the units of study that they offer.

Fees

The Fees Office provides advice to students on how to pay fees, where to pay, and if payments have been received.

Margaret Telfer Building, K07

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 5222

Fax: (02) 9351 4202

Financial Assistance Office

The University has a number of loan funds and bursaries to assist students who experience financial difficulties.

Assistance is not intended to provide the principal means of support but to help in emergencies and to supplement other income.

Level 7, Education Building, A35

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 2416

Fax: (02) 9351 7055

TTY: (02) 9351 3412

Email: fao@stuserv.usyd.edu.au

Web: www.usyd.edu.au/su/fin_assist

Freedom of Information

The University of Sydney falls within the jurisdiction of the NSW Freedom of Information Act, 1989. The Act requires information concerning documents held by the University to be made available to the public, to enable a member of the public to obtain access to documents held by the University and to enable a member of the public to ensure that records held by the University concerning his or her personal affairs are not incomplete, incorrect or out of date. By definition, a 'member of the public' includes staff or students of the University.

- Application may be made for access to access University documents, however the Act provides some exemptions to particular documents. The Act contains review and appeal mechanisms which are required to be explained to applicants where applicable. The University is required to report to the public on its FOI activities on a regular basis. The two reports provided are the Statement of Affairs and the Summary of Affairs. The Statement of Affairs contains information about the University, its structure and function and the kinds of documents held. The Summary of Affairs

identifies each of the University's policy documents and provides a contact list for those wishing to access these documents. Further information, and copies of the current reports may be found at www.usyd.edu.au/arms/foiy.

- It is a requirement of the Act that applications be processed and a determination be made generally within 21 days. Determinations are made by the University's Registrar.

Graduations Office

The Graduations Office is responsible for organising graduation ceremonies and informing students of their graduation arrangements.

Ground Floor, Carlaw Building, F07

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 3199, (02) 9351 4009

Protocol: (02) 9351 4612

Fax: (02) 9351 5072

Email: d.obrien@exams.usyd.edu.au

(Grievances) appeals

Many decisions about academic and non-academic matters are made each year and you may consider that a particular decision affecting your candidature for a degree or other activities at the University may not have taken into account all the relevant matters.

- In some cases the by-laws or resolutions of the Senate (see University Calendar) specifically provide for a right of appeal against particular decisions; for example, there is provision for appeal against academic decisions, disciplinary decisions and exclusion after failure.
- A document outlining the current procedures for appeals against academic decisions is available at the Student Centre, at the SRC, and on the University's web site at www.usyd.edu.au/su/planning/policy/
- If you wish to seek assistance or advice regarding an appeal, contact:

Students' Representative Council

Level 1, Wentworth Building, G01

The University of Sydney

NSW 2006 Australia

Phone: (02) 9660 5222

HECS and fees

The HECS and Fees Office in the Student Centre can provide advice on your HECS or fee liability at any time.

Student Centre

Ground Floor, Carlaw Building, F07

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 2086, (02) 9351 5659, (02) 9351 5062

Fax: (02) 9351 5081

International Student Centre

The International Student Centre consists of the International Office (IO), the International Student Services Unit (ISSU) and the Study Abroad and Exchange Office. The International Office provides assistance with application, admission and enrolment procedures and administers scholarships for international students. The ISSU provides a wide range of international student support services including arranging arrival accommodation and offering advice and professional counselling. The Study Abroad and Exchange Unit assists both domestic and international students who wish to enrol for Study Abroad or Exchange programs.

International Student Centre

Services Building, G12

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 4079

Fax: (02) 9351 4013

Email: info@io.usyd.edu.au

Web: www.usyd.edu.au/international/index/.html

International Student Services Unit

Phone: (02) 9351 4749

Fax: (02) 9351 6818

Email: info@issu.usyd.edu.auWeb: www.usyd.edu.au/su/issu/*Study Abroad and Exchange Unit**Study Abroad*

Phone: (02) 9351 5841

Fax: (02) 9351 2795

Email: studyabroad@io.usyd.edu.auWeb: www.usyd.edu.au/su/io/studyabroad/*Exchange*

Phone: (02) 9351 5843

Fax: (02) 9351 2795

Email: exchange@io.usyd.edu.auWeb: www.usyd.edu.au/su/exchange/**Intranet**

USYDnet is the University of Sydney's intranet. It provides easy access to staff and student directories, maps, software and useful resources for both staff and students. As well as delivering information, the intranet provides interactive services such as the Calendar of Events, where staff and students can enter events and publish them university-wide.

MyUni is the personalised section of USYDnet. All staff and students are provided with access to MyUni through a login name and password. This enables them to customise the information they see and also receive delivery of personal information such as exam results and seat numbers. MyUni is a portal from which students and staff can complete tasks that were previously only possible offline. Web enrolment variation is one of the first of many facilities that are helping to move the every day tasks of all members of the university online.

Learning Centre

The Learning Centre assists students to develop the generic skills which are necessary for learning and communicating knowledge and ideas at university. The Centre is committed to helping students to achieve their academic potential throughout their undergraduate and postgraduate studies.

Level 7, Education Building, A35

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 3853

Fax: (02) 9351 4865

Email: lc@stuserv.usyd.edu.auWeb: www.usyd.edu.au/su/lc**Library**

Students are welcome to use any of the 23 libraries in the University. The student card is also the library borrower's card. Further details of the libraries, including services provided, locations and opening hours are available on the Library's homepage www.library.usyd.edu.au as well as in the printed *Library Guide*, available at any library. Consult the Library staff for assistance.

The libraries listed below are located on the Camperdown/Darlington campus unless otherwise specified.

Alexander Mackie Curriculum Resources Library

Old Teachers College, A22

Phone: (02) 9351 6254

Fax: (02) 9351 7766

Email: curriculum@library.usyd.edu.au*Architecture Library*

Wilkinson Building, G04

Phone: (02) 9351 2775

Fax: (02) 9351 4782

Email: architecture@library.usyd.edu.au*Badham Library*

Badham Building, A16

Phone: (02) 9351 2728

Fax: (02) 9351 3852

Email: badham@library.usyd.edu.au*Biochemistry Library*

Biochemistry Building, G08

Phone: (02) 9351 2231

Fax: (02) 9351 7699

Email: biochemistry@library.usyd.edu.au*Burkitt-Ford Library*

Sir Edward Ford Building, A27

Phone: (02) 9351 4364

Fax: (02) 9351 7125

Email: burkittford@library.usyd.edu.au*Camden Library*

University Farms, Camden, C15

Phone: (02) 9351 1627

Fax: (02) 4655 6719

Email: camden@library.usyd.edu.au*Chemistry Library*

Chemistry Building, F1 1

Phone: (02) 9351 3009

Fax: (02) 9351 3329

Email: chemistry@library.usyd.edu.au*Dentistry Library*

United Dental Hospital, 2 Chalmers St, Surry Hills, C12

Phone: (02) 9351 8331

Fax: (02) 9212 5149

Email: dentistry@library.usyd.edu.au*Engineering Library*

P N Russell Building, J02

Phone: (02) 9351 2138

Fax: (02) 9351 7466

Email: engineering@library.usyd.edu.au*Fisher Library*

Eastern Ave, F03

Phone: (02) 9351 2993

Fax: (02) 9351 2890

Email: fishinf@library.usyd.edu.au*Geosciences Library*

Madsen Building, F09

Phone: (02) 9351 6456

Fax: (02) 9351 6459

Email: geosciences@library.usyd.edu.au*Health Sciences Library*

East St, Lidcombe, C42

Phone: (02) 9351 9423

Fax: (02) 9351 9421

Email: h.knight@cchs.usyd.edu.au*Law Library*

Law School, 173-175 Phillip St, Sydney, C13

Phone: (02) 9351 0216

Fax: (02) 9351 0301

Email: library@law.usyd.edu.au*Mathematics Library*

Carslaw Building, F07

Phone: (02) 9351 2974

Fax: (02) 9351 5766

Email mathematics @ library.usyd.edu.au*Medical Library*

Bosch Building, D05

Phone: (02) 9351 2413

Fax: (02) 9351 2427

Email: medical@library.usyd.edu.au*Music Library*

Seymour Centre, J09

Phone: (02) 9351 3534

Fax: (02) 9351 7343

Email: music@library.usyd.edu.au*Nursing Library*

88 Mallett St, Camperdown, M02

Phone: (02) 9351 0541

Fax: (02) 9351 0634

Email: nursing@library.usyd.edu.au

Orange Library

Leeds Parade, Orange
Phone: (02) 6360 5594
Fax: (02) 6360 5637
Email: lib@orange.usyd.edu.au

Pharmacy Library

Pharmacy Building, A15
Phone: (02) 9351 2333
Fax: (02) 9351 4445
Email: pharmacy@library.usyd.edu.au

Physics Library

New Wing, Physics Building, A29
Phone: (02) 9351 2550
Fax: (02) 9351 7767
Email: physics@library.usyd.edu.au

Power Research Library

Mills Building, A26
Phone: (02) 9351 2148
Fax: (02) 9351 7323
Email: john.spencer@artist.usyd.edu.au

Sydney College of the Arts Library

Balmain Rd, Rozelle, N01
Phone: (02) 9351 1036
Fax: (02) 9351 1043
Email: scalib@sca.usyd.edu.au

Sydney Conservatorium of Music Library

109 Pitt St, Sydney, C41
Phone: (02) 9230 3701
Fax: (02) 9230 3707
Email: csymes@conmusic.usyd.edu.au

Mathematics Learning Centre

The Mathematics Learning Centre runs bridging courses in mathematics at the beginning of the academic year (fees apply), and provides on-going support during the year through individual assistance and small group tutorials.

Level 4, Carslaw Building, F07

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 4061

Fax: (02) 9351 5797

Email: mlc@stuserv.usyd.edu.au

Web: www.usyd.edu.au/su/mlc

Part-time and full-time enrolment

Students are normally considered to be enrolled full-time if they have a HECS or fee weighting of at least 0.375 each semester. Anything under this amount is considered a part-time study load. Note that some faculties have minimum study load requirements for satisfactory progress.

Privacy

The University is subject to the NSW Privacy and Personal Information Protection Act 1998 (the Act). Central to the Act is Part 2 which contains twelve Information Protection Principles (IPPs) which regulate the collection, management, use and disclosure of personal information.

- In response to Section 33 of the Act the University has developed a Privacy Management Plan which includes a new University Privacy Policy incorporating the requirements of the IPPS. Both the Plan and the new University Privacy Policy were endorsed by the Vice-Chancellor on 28 June 2000. The Privacy Management Plan sets out the IPPs and how they apply to functions and activities carried out by the University.

Further information and a copy of the Plan may be found at: www.usyd.edu.au/arais/privacy/. Any questions regarding the Freedom of Information Act, the Privacy and Personal Information Protection Act or the Privacy Management Plan should be directed to:

Tim Robinson: (02) 9351 4263 or

Judith Russell: (02) 9351 2684

Email: foi@mail.usyd.edu.au

Student Centre

Ground Floor, Carslaw, F07

The University of Sydney

NSW 2006 Australia

The Student Centre enquiry counter can assist with the following types of enquiries:

General Enquiries: (02) 9351 3023

Academic Records: (02) 9351 4109

Discontinuation of Enrolment: (02) 9351 3023

Handbooks: (02) 9351 5057

Prizes: (02) 9351 5060

Fax: (02) 9351 5081, (02) 9351 5350 (Academic Records)

Student identity cards

Student identity cards will be provided to all commencing students at in-person enrolment or will be mailed to all continuing students who have successfully pre-entrolled. The card must be carried with you at all times on the site of the University, it must be displayed during examinations and must be produced on demand of any member of the staff or any other officer of the University. The card incorporates a photograph which you are required to provide. The photograph is to be colour and passport-sized showing your head and shoulders only. The photograph will be laminated to your student identity card on the day of your in-person enrolment if you are a commencing student. Pre-enrolling continuing students will be advised where to attend to have their photos and cards laminated. Student identity cards also function as transport concession cards for those students deemed eligible by the transport authorities. Transport concession eligibility will be confirmed with the application of a holographic sticker on the card.

Student Services

Student Services exists to help you achieve your educational goals by providing personal, welfare, and academic support services to facilitate your success at University. Many factors can impact on your wellbeing while studying at University and Student Services can assist you in managing and handling these more effectively. Refer to Accommodation Service, Casual Employment Service, Child Care, Disability Service, Financial Assistance Office, Learning Centre, Mathematics Learning Centre.

Room 711, Level 7, Education Building, A35

The University of Sydney

NSW 2006 Australia

Web: www.usyd.edu.au/su/stuserv

Timetabling Unit

The timetabling unit in the Student Centre is responsible for producing students' class and tutorial timetables. Students can obtain their Semester 1 timetables from the Wednesday of Orientation Week via the web.

The Sydney Conservatorium of Music operates in accordance with a local calendar of dates and produces a complete timetable for all teaching that it delivers. The timetable is available on enrolment at the Conservatorium.

Other student assistance

Careers information

The Careers Centre provides careers information, advice and counselling, and assists in finding course-related employment both while you're studying and when you're ready to commence your career.

Ground floor, Mackie Building, K01

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 3481

Fax: (02) 9351 5134

Email: info@careers.usyd.edu.au

Web: www.careers.usyd.edu.au

Continuing Education

University Preparation courses; bridging courses; Accounting Extension program; study skills courses; essay writing courses; and many others for career development, skill enhancement and general interest.

Centre for Continuing Education
Mackie Building, KOI
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2907
Fax: (02) 9351 5022
Email: info@cce.usyd.edu.au
Web: www.usyd.edu.au/cce

University Health Service

Offers full general practitioner services and emergency medical care to all members of the University community.

University Health Service (Wentworth)
Level 3, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3484
Fax: (02) 9351 4110
University Health Service (Holme)
Ground Floor, Holme Building, A09
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4095
Fax: (02) 9351 4338
Email: director@unihealth.usyd.edu.au
Web: www.unihealth.usyd.edu.au/

Koori Centre and Yooroang Garang

The Koori Centre provides tutorial assistance: access to computers, Indigenous counsellor, Aboriginal Studies library study rooms, Orientation program at the beginning of the year, and assistance in study and learning skills. Education Unit: courses in Education for ATSI students. Indigenous Studies Unit: aims to increase the awareness of Indigenous Australian issues through courses across the University.
Ground Floor, Old Teachers' College, A22

The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2046 General Enquiries
(02) 9351 7003 Liaison Officer
Fax: (02) 9351 6923
Email: koori@koori.usyd.edu.au
Web: www.koori.usyd.edu.au/

Language Centre

The Language Centre supports the teaching and research of the 34 languages taught through the Faculty of Arts and also offers self-study materials in over 140 languages. Members have access to audio-visual kits, reference books, videos, satellite television, computer software and magazines. The Language Centre also runs courses in Spanish, Russian, Portuguese, Modern Irish and Welsh.

Level 2, Christopher Brennan Building, A18
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2371
Fax: (02) 9351 4724
Email: language.enquiries@language.usyd.edu.au
Web: www.usyd.edu.au/langcent

Scholarships

The Scholarships Office is the University's internal and external point of contact for matters related to scholarships and awards. It provides information on undergraduate and postgraduate award opportunities available at the University as well as from external funding bodies, and advice to faculties and administrative units on the establishment and administration of their specific awards. The Scholarships

Office is also responsible for administering University-wide awards and major government funded research scholarships.

Research and Scholarships Office
Scholarships Administration
Room K4.01, Main Quadrangle, A14
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3250
Fax: (02) 9351 3256
Email: scholars@reschols.usyd.edu.au
Web: www.usyd.edu.au/su/reschols/scholarships/schol.html

Student organisations

Students' Representative Council

Level 1, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia
Phone: (02) 9660 5222 Editors, Honi Soit/Legal Aid
(02) 9660 4756 Second-hand Bookshop
(02) 9351 0691 Mallett St
(02) 9230 3777 Pitt St-Conservatorium
Fax: (02) 9660 4260
Email: postmaster@src.usyd.edu.au

Sydney University Sports Union

Provides services, facilities and clubs for sport, recreation and fitness.

Sports and Aquatic Centre, G09
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4960
Fax: (02) 9351 4962
Email: sportsunion@susu.usyd.edu.au
Web: www.susport.com.au

University of Sydney Union

Provides welfare, social and recreational services to the University community.

Holme Building, A09
The University of Sydney
NSW 2006 Australia
Phone: (02) 9563 6000 Switchboard/Enquiries
(02) 9563 6282 Academic Dress
(02) 9563 6103 ACCESS Centre, Manning
(02) 9563 6269 Campus Store, Holme
(02) 9563 6016 Campus Store, Wentworth
(02) 9563 6160 Clubs and Societies Office
(02) 9563 6010 School Tutoring Coordinator
(02) 9563 6032 Union Broadcasting Studio
(02) 9563 6115 Welfare & Information Services Manager
Fax: (02) 9563 6239
Email: email@usu.usyd.edu.au
Web: www.usu.usyd.edu.au/

Women's Sports Association

Provides for students, predominantly women, to participate in sport and recreation through the provision of facilities, courses and personnel.

Room 214, Sports Centre, A30
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 8111, (02) 9351 8112
Fax: (02) 9660 0921
Email: secretary@suwsa.usyd.edu.au
Web: www.usyd.edu.au/su/suwsa/welcome.html



Glossary

This glossary describes terminology in use at the University of Sydney.

Academic Board

The Academic Board is the senior academic body within the University. In conjunction with Faculties, the Academic Board has responsibility for approving, or recommending to Senate for approval, new or amended courses and Units of Study (UoSs), and policy relating to the admission of students. (For further information, see the University Calendar)

Academic Cycle

The Academic Cycle is the program of teaching sessions offered over a year. Currently the cycle runs from the enrolment period for 1st Semester through to the completion of the processing of results at the end of 2nd Semester.

(See also Stage)

Academic Record

The Academic Record is the complete academic history of a student at the University. It includes, among other things, personal details, all Units of Study and Courses taken, assessment results (marks and grades), awards and prizes obtained, infringements of progression rules, approvals for variation in course requirements and course leave, thesis and supervision details.

Access to a student's Academic Record is restricted to authorised University staff. A student's Academic Record is not released to a third party without the written authorisation of the student.

(See also Academic Transcript)

Academic Transcript

An Academic Transcript is a printed statement setting out a student's academic record at the University. There are two forms of Academic Transcripts: External and Internal. (See also External Transcript, Internal Transcript)

Academic Year

An Academic Year is a normal full-time program taken in a course in a year. Some courses consist of stages, which may readily be equated with Academic Year. Others use the aggregation of credit points to do this (eg, 48 credit points = an Academic Year).

(See also Academic Cycle, Stage)

Addresses

All enrolled students need to have a current postal address recorded on FlexSIS to which all Official University correspondence is sent.

(See also Business Address, Permanent Home Address, Semester Address, Temporary Address)

Admission

Admission is governed by the University's Admission Policy and is the process for identifying applicants eligible to receive an initial offer of enrolment in a course at the University. Admission to most courses is based on performance in the HSC with applicants ranked on the basis of their UAI. Other criteria such as a portfolio, interview, audition, or results in standard tests may also be taken into account for certain courses.

Admission (deferment)

An applicant who receives an offer of admission to a course may apply to defer enrolment in that course for one semester or one academic cycle.

Admission Basis

The main criterion used by a Faculty in assessing an application for admission to a course. The criteria used include, among other things, previous secondary, TAFE or tertiary studies, work experience, Special Admission and the Universities Admission Index (UAI).

Admission Mode

Admission Mode is a classification based on how a student was admitted to a course, for example 'UAC or 'direct'.

Admission Period

The period during which applications for admission to courses are considered. The main Admission Period takes place before the first semester, but there may also be an Admission Period for mid year applicants before the beginning of the second semester and other Admission Periods.

Admission Reply

A code used by FlexSIS to indicate whether an applicant who has received an offer has accepted the offer or not.

Admission Result

A code used by FlexSIS to indicate the result of a direct application to study at the University (eg, Offer, Unsuccessful, Withdrawn).

Admission Year

The year the student began the course.

Advanced Diplomas

(See Award Course)

Advanced Standing

(See Credit)

Advisor

A member of academic staff appointed in an advisory role for some postgraduate coursework students.

(See also Associate Supervisor, Instrumental Supervisor (teacher), Research Supervisor, Supervision)

Annual Progress Report

The Annual Progress Report is a form issued by Faculties which is used to monitor a research student's progress each year. The form provides for comments by the student, the Supervisor, the Head of the Department and the Dean (or nominee). The completed form is attached to the student's official file.

FlexSIS records that the form has been sent out and that it has been satisfactorily completed.

APA

Australian Postgraduate Awards. (See also Scholarships, UPA)

Appeals

Students may lodge appeals against academic or disciplinary decisions. FlexSIS will record an academic appeal (eg, against exclusion) while they are under consideration and will record the outcome of the appeal. Disciplinary (that is, non-academic) appeals are not recorded on FlexSIS.

Assessment

The process of measuring the performance of students in UoSs and courses. The assessment of performance in a UoS may include examinations, essays, laboratory projects, or assignments.

(See also Board of Examiners, Result Processing, Result Processing Schedule)

Associate Supervisor

A person who is appointed in addition to the Supervisor of a research student who can provide the day-to-day contact with the candidate or provide particular expertise or additional experience in supervision.

(See also Advisor, Instrumental Supervisor (teacher), Research Supervisor, Supervision)

Assumed Knowledge

For some Units of Study, a student is assumed to have passed a relevant subject at the HSC and this is called Assumed Knowledge. While students are generally advised against taking a Unit of Study for which they do not have the assumed knowledge, they are not prevented from enrolling in the Unit of Study.

(See also Prerequisite)

Attendance Mode

Refers to whether a Unit of Study is taken by the student internally (ie, by attending classes at a campus of the university) or externally (ie, remotely by correspondence or other distance education means). While most Units of Study are offered internally, the Faculty of Health Sciences and the Orange Agricultural College offer Units of Study externally.

Attendance Type

Refers to whether the student is studying part-time or full-time. For coursework students this is a function of course load - ie, the proportion being undertaken by the student of the normal full-time load specified for the course in which the student is enrolled. To be considered full-time, a coursework student must undertake at least 0.75 of the normal full-time load over the academic cycle or at least 0.375 if only enrolling in half of an academic year (one semester). It is important to note, however, that, for some purposes, to be considered full-time a student may need to be enrolled in at least 0.375 in each session. Research students, with the approval of their Faculty, nominate whether they wish to study part-time or full-time. The Attendance Status is then recorded on FlexSIS as part of the application or enrolment process.

(See also Coursework, Student Load)

AusAID

Australian Agency for International Development.

Award Course

An award course is a formally approved program of study that can lead to an academic award granted by the University. The University broadly classifies courses as Undergraduate and Postgraduate (research and coursework). The Award Courses offered by the University are:

Higher Doctorates
Doctor of Philosophy (PhD)
Doctorates by research and advanced coursework
Master's Degree
Graduate Diploma
Graduate Certificate
Bachelor's Degrees
Advanced diplomas
Diplomas
Certificates

(See also Major, Minor and Stream)

Bachelor's Degree

The highest undergraduate award offered at the University of Sydney. A Bachelor's degree course normally requires three or four years of full-time study (or the part-time equivalent).

(See also Award Course)

Barrier

A barrier is an instruction placed on a student's FlexSIS record that prevents the student from re-enrolling or graduating.

(See also Deadline (fees), Suppression of Results)

Board of Examiners

A Board of Examiners was a body appointed by a Faculty or Board of Studies which met to approve the results of all students undertaking Courses supervised by that Faculty or Board of Studies. Boards of Examiners were dis-established following revision of the University's examination procedures in 2000.

(See also Assessment, Result Processing, Result Processing Schedule)

Board of Studies

An academic body which supervises a course or courses and which is similar to a Faculty except that it is headed by a Chairman rather than a Dean and does not supervise PhD candidates.

Bursaries

(See Scholarships)

Business Address

FlexSIS can record a student's Business Address and contact details.

(See also Addresses, Permanent Home Address, Semester Address, Temporary Address)

Cadigal Program

The Cadigal Program is a University wide access and support scheme for Aboriginal and Torres Strait Islanders.

Campus

The grounds on which the University is situated. There are eleven campuses of the University of Sydney: Burren Street (Australian Graduate School of Management), Camperdown and Darlington ('Main Campus'), Camden (Agriculture and Veterinary Science), Conservatorium (Conservatorium of Music), Cumberland (Health Sciences), Mallett Street (Nursing), Orange (Faculty of Rural Management), Rozelle (Sydney College of the Arts), St James (Law) and Surry Hills (Dentistry).

Census date

(See HECS Census Date)

Ceremony

(See Graduation Ceremony)

Chancellor

The non-executive head of the University. An honorary position, the Chancellor chairs meetings of the University's governing body, the Senate, and presides over graduation ceremonies amongst other duties.

Class List

A listing of all Currently Enrolled students in a particular Unit of Study.

(See also Unit of Study)

Combined Course

A course which leads to two awards. For example the Arts/Law course leads to the separate awards of Bachelor of Arts and Bachelor of Laws.

Combined degree

(See Combined Course)

Commencing Student

A student enrolling in an award course at the University of Sydney for the first time. The DETYA Glossary provides a more detailed definition.

Compulsory Subscription Rates

There are two rates for some annual subscriptions: full-time and part-time.

(See also Compulsory Subscriptions)

Compulsory Subscription Waiver Provision

Certain students over a certain age or with disabilities or medical conditions may be exempted from the subscription to the sports body.

Students with a conscientious objection to the payment of subscriptions to Unions of any kind may apply to the Registrar for exemption. The Registrar may permit such a student to make the payment to the Jean Foley Bursary Fund instead.

(See also Compulsory Subscriptions)

Compulsory Subscriptions

Each enrolled student is liable to pay annual (or semester) subscriptions as determined by the Senate to the student organisations at the University. These organisations are different on different campuses. There are different organisations for undergraduate and postgraduate students.

At the Main Campus, compulsory submissions depend on the level of study:

- Undergraduate - the University of Sydney Union, Students Representative Council (SRC) and the University Men's Sports Union or the University Women's Sports Association.
- Postgraduate - the University of Sydney Union and the Sydney University Postgraduate Representative Association (SUPRA).

At other campuses, student organisations include:

- the Cumberland Student Guild
- student organisations at Orange Agricultural College and the Sydney College of the Arts.

(See also Compulsory Subscription Rates, Compulsory Subscription Waiver Provision, Joining Fee, Life membership)

Confirmation of Enrolment Status Form

A Confirmation of Enrolment Status Form is issued to students after enrolment showing the course and the UoSs they are enrolled in, together with the UoS credit point value of the UoSs and the HECS weights. Until all fees are paid, it is issued provisionally.

A new Confirmation of Enrolment form is produced every time a student's enrolment is varied.

For Postgraduate Research students the form also lists candidature details and Supervisor information.

Where students have an appointed adviser, the adviser information is also shown.

Convocation

Convocation is the body comprising all graduates of the University.

Core Unit of Study

A Unit of Study (UoS) that is compulsory for the course or subject area.

{See also Unit of Study (UoS)}

Corequisite

A Corequisite is a Unit of Study, which must be taken in the same semester or year as a given Unit of Study (unless it has already been completed). These are determined by the Faculty or Board of Studies concerned, published in the Faculty Handbook and shown in FlexSIS.

(See also Prerequisite, Waiver)

Course

(See Award Course)

Course Alias

Each course in FlexSIS is identified by a unique five-digit Alpha-Numeric code.

Course Code

(See Course Alias)

Course Leave

Students (undergraduate and postgraduate) are permitted to apply for a period away from their course without losing their place. Course leave is formally approved by the supervising Faculty for a minimum of one semester and recorded on FlexSIS (leave for periods of less than one semester should be recorded internally by the Faculty). Students on leave are regarded as having an active candidature, but they are not entitled to a student card. At undergraduate level leave is not counted towards the total length of the course. Students who are absent from study without approved leave may be discontinued and may be required to reapply formally for admission. In respect of research students the term 'Suspension of Candidature' was previously used to describe students on course leave.

Course (Research)

A classification of courses in which students undertake supervised research leading to the production of a thesis or other piece of written or creative work over a prescribed period of time. The research component of a research course must comprise 66% or more of the overall course requirements.

Course Rules

Course Rules govern the allowable enrolment of a student in a Course; eg, a candidate may not enrol in Units of Study having a total value of more than 32 credit points per semester.

Course Rules also govern the requirements for the award of the Course; eg, a candidate must have completed a minimum of 144 credit points. Course Rules may be expressed in terms of types of Units of Study taken, length of study, and Credit Points accumulated.

Course Suspension

(See Course Leave)

Course Transfer

A Course Transfer occurs where a student changes from one course in the University to another course in the University without the requirement for an application and selection (eg, from a PhD to a Master's program in the same Faculty).

Course Type

Course Type is a DETYA code.

Coursework

Coursework is a classification used to describe those courses that consist of UoSs rather than research work. All Undergraduate courses are coursework programs.

Postgraduate courses can be either research courses or coursework courses.

(See also Course (Research))

Credit

Students admitted to a course at the University may be granted Advanced Standing based on previous attainment in another course at the University, or at another institution. The credit points granted count towards the course.

Credit may be granted as specific credit or non-specific credit.

Specific credit is the recognition of previously completed studies as directly equivalent to UoSs. Specific credit is recorded on FlexSIS as credit for a particular UoS or UoSs.

Non-Specific credit takes the form of a 'block credit' for a specified number of credit points at a particular level (eg, 12 Junior level credit points). These credit points may be in a particular subject area. The credit is not linked to a specific UoS.

(See also Waiver)

Credit Points

Credit Points are a measure of value indicating the contribution each Unit of Study provides towards meeting course completion requirements stated as a total Credit Point value. Each Unit of Study will have a Credit Point value assigned to it, normally in the range 3 to 24. Resolutions of Senate set the number and level of Credit Points required for graduation.

Cross-institutional Enrolment

Cross-institutional Enrolment is an enrolment in Units of Study at one university to count towards an award course at another university. Cross-institutional enrolments incur a HECS liability or tuition fee charge at the institution at which the UoS is being undertaken. Students pay compulsory subscriptions to one university only (usually their home university - ie, the university which will award their degree).

DAC (Data Audit Committee)

DAC is a sub-committee of the VCAC Enrolment Working Party, chaired by the Registrar, with membership including the Deans, the Student Centre, FlexSIS and the Planning Support Office. Its role is to oversee the integrity and accuracy of the Course and Unit of Study data as strategic university data. It has a role in advising the Academic Board on suggested policy changes with relation to Course and Unit of Study data.

Deadlines (enrolment variations)

(See Enrolment Variations)

Deadlines (fees)

The University has deadlines for the payment of fees (eg, HECS, Compulsory Subscriptions, course fees etc). Students who do not pay fees by these deadlines may have their enrolment cancelled or they may have a barrier placed on the release of their record.

(See also Barrier)

Dean

The head of a Faculty or the principal or director of a College (such as the Conservatorium of Music or the Sydney College of Arts).

Dean's Certificate

A statement from the Dean certifying that all requirements, including fieldwork and practical work, have been met and that the student is eligible to graduate. Not all Faculties use Deans' Certificates. In Faculties that do, qualified students have 'Dean's Certificate' noted on their academic record.

DETYA

The Department of Education Training and Youth Affairs is the Commonwealth Government Department responsible for Higher Education. The University is required to provide DETYA with information about its students three times a year. The Government in its funding deliberations uses this information.

Deferment

(See Admission (deferment), Leave)

Degree

(See also Award Course, Bachelor's Degree)

Department

For the purposes of FlexSIS, a Department is the academic unit, which is responsible for teaching and examining a UoS. It may be called a School, a Department, a Centre or a Unit within the University.

Differential HECS

(See Higher Education Contribution Scheme (HECS))

Diploma

The award granted following successful completion of Diploma course requirements. A Diploma course usually requires less study than a degree course. Graduate Diploma courses are only available to students who already hold an undergraduate degree.

(See also Award Course)

Direct Admissions

For some courses, applications may be made directly to the University. Applications are received by Faculties or the International Office, registered on FlexSIS and considered by the relevant Department or Faculty body. Decisions are recorded on FlexSIS and FlexSIS produces letters to applicants advising them of the outcome.

(See also Admission, UAC Admissions)

Disability Information

Students may inform the University of any temporary or permanent disability, other than a financial disability, which affects their life as a student. Disability Information is recorded in FlexSIS but it is only visible to particular authorised users because of its sensitive nature.

Discipline Codes

Discipline Codes are four-letter codes for each area of smdy available at the university (eg, CHEM Chemistry, ECON Economics)

Discipline Group

A DETYA code used to classify UoSs in terms of the subject matter being taught or being researched.

Discontinuation (Course)

(See Enrolment Variation)

Discontinuation (Unit of Study)

(See Enrolment Variation)

Dissertation

A Dissertation is a written exposition of a topic and may include original argument substantiated by reference to acknowledged authorities. It is a required Unit of Study for some postgraduate award courses in the Faculties of Architecture and Law.

Doctor of Philosophy (PhD)

(See Award Course, Doctorate, PhD)

Doctorate

The Doctorate and the PhD are high-level postgraduate awards available at the University of Sydney. A Doctorate course normally involves research and coursework; the candidate submits a thesis that is an original contribution to the field of smdy. Entry to a Doctorate course often requires completion of a Master's degree course. Note that the Doctorate course is not available in all Departments at the University of Sydney.

(See also Award Course, PhD)

Earliest date

(See Research Candidature)

EFTSU

The Equivalent Full-Time Student Unit (EFTSU) is a measure of student load expressed as a proportion of the workload for a standard annual program for a student undertaking a full year of study in a particular award course. A student undertaking the standard annual program of study (normally 48 credit points) generates one EFTSU.

EFTYR

The Effective Full-time Enrolment Year (EFTYR) is a calculation of how long, in terms of equivalence to full-time years of enrolment, a student has been enrolled in a course. If a student has always been full-time, the calculation is straightforward (for example, the fifth year of enrolment is EFTYR 5). If the student has had a mixture of part-time and full-time enrolment, this can be equated with an EFTYR.

(See also Stage)

Enrolment

A student enrolls in a course by registering with the Supervising Faculty in the Units of Study to be taken in the coming year, semester or session. The student pays whatever fees are owing to the University by the deadline for that semester. New students currently pay on the day they enrol which is normally in early February. Students already in a course at the University re-enrol each year or semester; for most students Pre-enrolment is required.

(See also Pre-enrolment)

Enrolment Non Award

Non Award enrolment is an enrolment in a Unit or Units of Study, which does not count towards a formal award of the University. Normally Tuition Fees are levied on non-award Units of Study.

Enrolment Status

A student's enrolment status is either:

- Enrolled; or
- Not enrolled

An enrolment status is linked to an enrolment status reason or category.

Enrolment Status Reason/ Category

Not enrolled status reasons/categories include: Withdrawn, Totally Discontinued, Cancelled, on Leave (suspended), Transferred, Lapsed, Terminated, Qualified and Conferred.

Enrolment Variation

Students may vary their enrolment at the beginning of each semester. Each Faculty determines its deadlines for variations, but HECS liability depends on the HECS Census Date. (See also HECS)

Enrolment Year

See EFTYR, Stage

Examination

See Examination Paper Code, Examination Period, Supplementary Exams

Examination Paper Code

A code that identifies each individual examination paper. Used to help organise examinations.

Examination Period

The Examination Period is the time set each semester for the conduct of formal examinations.

Exchange Student

An Exchange student is either a student of this University who is participating in a formally agreed program involving study at an overseas university or an overseas student who is studying here on the same basis. The International Office provides administrative support for some exchanges.

Students at this University will have recorded on their academic record the fact that they have participated in an exchange program.

Exclusion

The Faculty may ask a student whose academic progress is considered to be unsatisfactory to Show Cause why the student should be allowed to re-enrol. If the Faculty deems the student's explanation unsatisfactory or if the student does not provide an explanation the student may be excluded either from a Unit of Study or from a course. An excluded student may apply to the Faculty for permission to re-enrol. Normally at least two years must have elapsed before such an application would be considered.

University policy relating to exclusion is set out in the Calendar.

(See also Senate Appeals)

External

See Attendance Mode

External Transcript

An External Transcript is a certified statement of a student's academic record printed on official university security paper. It includes the student's name, any credit granted, all courses the student was enrolled in and the final course result and all UoSs attempted within each course together with the UoS result (but not any UoS which has the status of Withdrawn). It also includes any scholarships or prizes the student has received. Two copies are provided to each student on graduation (one with marks and grades for each UoS and one with grades only). External transcripts are also produced at the request of the student. The student can elect either to have marks appear on the transcript or not.

(See also Academic Transcript, Internal Transcript)

Faculty

A Faculty, consisting mainly of academic staff members and headed by a dean, is a formal part of the University's academic governance structure, responsible for all matters concerning the award courses that it supervises (see the 1999 Calendar, pp 110-111). Usually, a Faculty office administers the Faculty and student or staff inquiries related to its courses. The Calendar sets out the constitution of each of the University's 17 Faculties.

(See also Board of Studies, Supervising Faculty)

Fail

A mark of less than 50% which is not a Concessional Pass.

(See also Results)

Fee Paying Students

Fee Paying Students are students who pay tuition fees to the University and are not liable for HECS.

Fee Rate

Local fees are charged in bands, a band being a group of subject areas. The bands are recommended by Faculties and approved by the DV-C (Planning and Resources).

Fee Type

Fee Type can be International or Local.

FlexSIS

FlexSIS is the computer-based Flexible Student Information System at the University. FlexSIS holds electronically details of courses and UoSs being offered by the University and the complete academic records of all students enrolled at the University. FlexSIS also holds the complete academic records of many (but not all) past students of the university. For past students whose complete records are not held on FlexSIS, there will be a reference on FlexSIS to card or microfiche records where details are kept.

Full-Time Student

(See Attendance Status, EFTSU)

Grade

A Grade is a result outcome for a Unit of Study normally linked with a mark range. For example, in most Faculties, a mark in the range 85-100 attracts the Grade 'High Distinction' ('HD').

(See also Mark)

Graduand

A Graduand is a student who has completed all the requirements for an award course but has not yet graduated.

(See also Graduation, Potential Graduand)

Graduate

A Graduate is a person who holds an award from a recognised tertiary institution.

(See also Graduand, Graduation)

Graduate Certificate

(See Award Course)

Graduate Diploma

(See Award Course)

Graduate Register

The Graduate Register is a list of all graduates of the University.

(See also Graduation)

Graduation

Graduation is the formal conferring of awards either at a ceremony or in absentia.

(See also In absentia, Potential Graduand)

Graduation Ceremony

A Graduation Ceremony is a ceremony where the Chancellor confers awards upon graduands. The Registrar publishes annually the schedule of graduation ceremonies.

HECS

See Higher Education Contribution Scheme (HECS)

HECS Census Date

The date at which a student's enrolment, load and HECS liability are finalised before reporting to DETYA. The following dates apply:

- 1st Semester, 31 March
- 2nd Semester, 31 August

HECS Code

A code used by DETYA to identify the HECS status of a student (eg, 10 Deferred, 11 Upfront).

Higher Doctorates

(See Award Course)

Higher Education Contribution Scheme (HECS)

All students, except international students, local fee-paying students and holders of certain scholarships are obliged to contribute towards the cost of their education under the Higher Education Contribution Scheme (HECS). HECS liability depends on the load being taken.

Current students, except possibly those who began their studies prior to 1997, have a HECS rate charged for each Unit of Study in their degree program which depends on the 'discipline group' it is in, and the 'band' to which the Government has assigned it. These are all determined annually by the Government.

Honorary Degrees

A degree *Honoris Causa* (translated from the Latin as 'for the purpose of honouring') is an honorary award, which is conferred on a person whom the University wishes to honour.

A degree *Ad Eundem Gradum* (translated as 'at the same level') is awarded to a member of the academic staff who is not a graduate of the University in recognition of outstanding service to the University. The award of an honorary degree is noted on the person's academic record.

Honours

Some degrees may be completed 'with Honours'. This may involve either the completion of a separate Honours Year or additional work in the later years of the course or meritorious achievement over all years of the course. Honours are awarded in a Class (Class 1, Class n, Class HI) and sometimes there are two divisions within Class II.

HSC

The HSC is the NSW Higher School Certificate, which is normally completed at the end of year 12 of secondary school. The UAI (Universities Admission Index) is a rank out of 100 that is computed from a student's performance in the HSC.

In absentia

In absentia is Latin for 'in the absence of'. Awards are conferred in absentia when a graduand does not, or cannot, attend the graduation ceremony scheduled for them.

Those who have graduated in absentia may later request that they be presented to the Chancellor at a graduation ceremony. (See also Graduation)

Instrumental Supervisor (teacher)

All students at the Conservatorium of Music and BMus students on the Camperdown campus have an instrumental teacher appointed.

(See also Advisor, Associate Supervisor, Research Supervisor, Supervision.)

Internal

(See Attendance Mode)

Internal Transcript

An Internal Transcript is a record of a student's academic record for the University's own internal use. It includes the student's name, SID, address, all courses in which the student was enrolled and the final course result and all UoSs attempted within each course together with the UoS result.

(See also Academic Transcript, External Transcript)

International Student

An International Student is required to hold a visa to study in Australia and may be liable for international tuition fees. Any student who is not an Australian or New Zealand citizen or a permanent resident of Australia is an international student. New Zealand citizens are not classified as international students but have a special category under HECS that does not permit them to defer their HECS liability.

(See also Local Student, Student Type)

Joining Fee

Students enrolling for the first time pay, in addition, a joining fee for the University of Sydney Union or equivalent student organisation.

(See also Compulsory Subscription)

Leave

(See Course Leave)

Life membership

Under some circumstances (eg, after five full-time years of enrolments and contributions) students may be granted life membership of various organisations, which means they are exempt from paying yearly fees.

(See also Compulsory Subscription)

Load

Load for an individual student is the sum of the weights of all the UoSs in which the student is enrolled.

(See also EFTSU, HECS)

Local Student

A Local Student is either an Australian or New Zealand citizen or Australian permanent resident. New Zealand citizens are required to pay their HECS upfront.

(See also Fee type, HECS, International Student)

Major

A Major is a defined program of study, generally comprising specified Units of Study from later stages of the Award Course. Students select and transfer between Majors by virtue of their selection of Units of Study. One or more Majors may be prescribed in order to satisfy course requirements.

(See also Award Course, Minor and Stream)

Major Timetable Clash

Used by FlexSIS to denote occasions when a student attempts to enrol in Units of Study which have so much overlap in the teaching times that it has been decided that students must not enrol in the units together.

Mark

An integer (rounded if necessary) between 0 and 100 inclusive, indicating a student's performance in a UoS.

(See also Grade)

Master's Degree

A postgraduate award. Master's degree courses may be offered by coursework, research only or a combination of coursework and research. Entry to the course often requires completion of an Honours year at an undergraduate level.

(See also Award Course)

Method of candidature

A course is either a research course or a coursework course and so the Methods of Candidature are 'Research' and 'Coursework'.

(See also Course, Course (Research), Coursework)

Minor

A Minor is a defined program of study, generally comprising Units of Study from later stages of the Award Course and requiring a smaller number of Credit Points than a Major. Students select and transfer between Minors (and Majors) by virtue of their selection of Units of Study. One or more Minors may be prescribed in order to satisfy course requirements.

(See also Award Course, Major and Stream)

Minor Timetable Clash

Used by FlexSIS to denote occasions when a student attempts to enrol in Units of Study which have some identical times of teaching.

Mutually Exclusive Units of Study

(See Prohibited Combinations of Units of Study)

MyUni

MyUni is a personalised space for staff and students on the University of Sydney's intranet, called USYDnet. MyUni is used to deliver information and services directly through a central location, while also allowing users to customise certain information. Students are able to access such services as Exam Seat Numbers, Results, Timetables and FlexSIS Enrolment Variations on MyUni.

Non Award

(See Enrolment - Non Award)

OPRS

Overseas Postgraduate Research Scholarship.

Orientation Week

Orientation or 'O Week', takes place during the week prior to lectures in Semester 1. During O Week, students can join various clubs, societies and organisations, register for courses with departments and take part in activities provided by the University of Sydney Union.

Part-time student

(See Attendance Status, EFTSU)

Permanent Home Address

The Permanent Home Address is the address for all official University correspondence both inside and outside of Semester time (eg, during Semester breaks), unless overridden by Semester Address.

(See also Addresses, Business Address, Semester Address, Temporary Address)

PhD

The Doctor of Philosophy (PhD) and other Doctorate awards are the highest awards available at the University of Sydney. A PhD course is normally purely research-based; the candidate submits a thesis that is an original contribution to the field of study. Entry to a PhD course often requires completion of a Master's degree course. Note that the PhD course is available in most departments in the University of Sydney.

(See also Award Course, Doctorate)

Postgraduate

A term used to describe a course leading to an award such as Graduate Diploma, a Master's Degree or PhD, which usually requires prior completion of a relevant undergraduate degree (or diploma) course. A 'postgraduate' is a student enrolled in such a course.

Potential Graduand

Potential Graduands are students who have been identified as being eligible to graduate on the satisfactory completion of their current studies.

(See also Graduand, Graduation)

Pre-enrolment

Pre-enrolment takes place in October for the following year. Students indicate their choice of UoS enrolment for the following year. After results are approved, registered students are regarded as enrolled in those UoSs they chose and for which they are qualified. Their status is 'enrolled' and remains so provided they pay any money owing or comply with other requirements by the due date. Re-enrolling students who do not successfully register in their Units of Study for the next regular session are required to attend the University on set dates during the January/February enrolment period. Pre-enrolment is also known as Provisional Re-enrolment. *(See also Enrolment)*

Prerequisite

A prerequisite is a Unit of Study that is required to be completed before another UoS can be attempted. *(See also Assumed Knowledge, Corequisite, Waiver)*

Prizes

Prizes are awarded by the University, a Faculty or a Department for outstanding academic achievement. Full details can be found in the University Calendar.

Probationary Candidature

A Probationary Candidate is a student who is enrolled in a postgraduate course on probation for a period of time up to one year. The Head of Department is required to consider the candidate's progress during the period of probation and make a recommendation for normal candidature or otherwise to the Faculty.

Progression

(See Course Progression)

Prohibited Combinations of Units of Study

When two or more Units of Study contain a sufficient overlap of content, enrolment in any one such Unit prohibits enrolment in any other identified Unit. A Unit related in this way to any other Unit is linked in Tables of Units of Study via use of the symbol N to identify related prohibited Units.

Provisional Re-enrolment

(See Pre-enrolment)

Qualification

A qualification is an academic attainment recognised by the University.

Registrar

The Registrar is responsible to the Vice-Chancellor for the keeping of official records and associated policy and procedures within the University. *(See the University Calendar for details.)*

Registration

In addition to enrolling with the Faculty in Units of Study, students must register with the Department responsible for teaching each unit. This is normally done during Orientation Week. Note that unlike enrolment, registration is not a formal record of Units attempted by the student.

Research Course

(See Course (Research))

Research Supervisor

A Supervisor is appointed to each student undertaking a research postgraduate degree. The person will be a full-time member of the academic staff or a person external to the University appointed in recognition of their association with the clinical teaching or the research work of the University. A Research Supervisor is commonly referred to as a Supervisor. *(See also Advisor, Associate Supervisor, Instrumental Supervisor (teacher), Supervision)*

Resolutions of Senate

Regulations determined by the Senate of the University of Sydney that pertain to degree and diploma course requirements and other academic or administrative matters.

Result Processing

Refers to the processing of assessment results for UoSs. Departments tabulate results for all assessment activities of a UoS and assign preliminary results for each UoS. Preliminary

results are considered by the relevant Board of Examiners, which approves final results. Students are notified of results by result notices that list final marks and grades for all UoSs. *(See also Assessment, Examination Period)*

Result Processing Schedule

The Result Processing Schedule will be determined for each Academic Cycle. It is expected that all Departments and Faculties will comply with this schedule.

(See also Assessment, Examination Period, Result Processing)

Results

The official statement of the student's performance in each Unit of Study attempted, as recorded on the academic transcript, usually expressed as a grade.

HD

High Distinction, a mark of 85-100

D

Distinction, a mark of 75-84

CR

Credit, a mark of 65-74

P

Pass, a mark of 50-64

R

Satisfied requirements. This is used in Pass/Fail only outcomes

UCN

Unit of Study continuing. Used at the end of semester for UoSs that have been approved to extend into a following semester. This will automatically flag that no final result is required until the end of the last semester of the UoS.

PCON

Pass (Concessional), a mark of 46–49. Use of this grade is restricted to those courses that allow for a Concessional Pass of some kind to be awarded. A student may re-enrol in a Unit of Study for which the result was PCON. Each faculty will determine and state in its course regulations what proportion, if any, may count - eg, 'no more than one sixth of the total credit points for a course can be made up from PCON results'.

F

Fail. This grade may be used for students with marks from 46-49 in those faculties which do not use PCON.

AF

Absent Fail. Includes non-submission of compulsory work (or non-attendance at compulsory labs etc) as well as failure to attend an examination.

W

Withdrawn. Not recorded on an external transcript. This is the result that obtains where a student applies to discontinue a Unit of Study by the HECS Census Date (ie, within the first four weeks of enrolment).

DNF

Discontinued - Not to count as failure. Recorded on external transcript. This result applies automatically where a student discontinues after the HECS Census Date but before the end of the seventh week of the semester (or before half of the Unit of Study has run, in the case of Units of Study which are not semester-length). A faculty may determine that the result of DNF is warranted after this date if the student has made out a special case based on illness or misadventure.

DF

Discontinued - Fail. Recorded on transcript. This applies from the time DNF ceases to be automatically available up to the cessation of classes for the Unit of Study.

MINC

Incomplete, with a mark of at least 50. This result may be used when examiners have grounds (such as illness or misadventure) for seeking further information or for considering additional work from the student before confirming the final mark and passing grade. Except in special cases approved by the Academic Board, this result will be converted to a normal passing mark and grade either:

- (a) by the Dean at the review of examination results conducted pursuant to section 2 (4) of the Academic Board policy 'Examinations and Assessment Procedures'; or

(b) automatically to the indicated mark and grade by the third week of the immediately subsequent academic session. Deans are authorised to approve the extension of a MINC grade for individual students having a valid reason for their incomplete status.

INC

Incomplete. This result is used when examiners have grounds (such as illness or misadventure) for seeking further information or for considering additional work from the student before confirming the final result. Except in special cases approved by the Academic Board, this result will be converted to a normal permanent passing or failing grade either:

- (a) by the Dean at the review of examination results conducted pursuant to section 2 (4) of the Academic Board policy 'Examinations and Assessment Procedures'; or
- (b) automatically to an AF grade by the third week of the immediately subsequent academic session. Deans are authorised to approve the extension of a MINC grade for individual students having a valid reason for their incomplete status.

UCN

Incomplete. A MINC or INC grade is converted, on the advice of the Dean, to UCN when all or many students in a Unit of Study have not completed the requirements of the Unit. The students may be engaged in practicum or clinical placements, or in programs extending beyond the end of semester (eg, Honours).

Scholarships

Scholarships are financial or other forms of support made available by sponsors to assist Australian and international students to pursue their studies at the University. When a student's means are a criterion, scholarships are sometimes called bursaries.

(See also Prizes)

School

(See Department)

SCR

System Change Request.

Semester

A semester is the Academic Teaching period of approximately 14 weeks duration. All Units of Study have been semesterised, both at the undergraduate and postgraduate level, except for those components of final honours year or postgraduate courses relating to thesis or other similar research oriented projects for which two or more semesters are normally assigned for completion. Units of Study are taught and examined in either the first semester or the second semester (or in both semesters if the course is offered twice).

Semester Address

The Semester Address is the address to which all Official University correspondence is sent during semester time, if it is different to the Permanent Address. Unless overridden by a Temporary Address all Official University correspondence during Semester (including Session 4 for students enrolled in Summer School) will be sent to this address.

(See also Addresses, Business Address, Permanent Home Address, Temporary Address)

Senate

The Senate of the University is the governing body of the University.

(See the University Calendar)

Senate Appeals

Senate appeals are held for those students who, after being excluded by the Faculty from a course, appeal to the Senate for readmission. While any student may appeal to the Senate against an academic decision, such an appeal will normally be heard only after the student has exhausted all other avenues - ie, the Department, Faculty, Board of Study and, in the case of postgraduates, the Committee for Graduate Studies.

(See also Exclusion)

Session

A session is a defined teaching period of the University. The two major sessions are called semesters and are defined by the DETYA HECS Census date they contain (eg, first and second semester). The Academic Board must approve variation to the normal session pattern.

Session Address

(See Semester Address)

Special Consideration

Candidates who have medical or other serious problems, which may affect performance in any assessment, may request that they be given Special Consideration in relation to the determination of their results.

They can obtain an official form from the Student Centre.

The Student Centre stamps the form and the medical or other documentation. The student gives a copy of the material to the Student Centre staff and takes copies to the relevant Departments. The student retains the originals. The dates for which Special Consideration is sought are recorded on FlexSIS and printed on the Examination Register.

Special Permission

(See Waiver)

Sponsorship

Sponsorship is the financial support of a student by a Company or Government body. Sponsors are frequently invoiced directly.

Stage

For the purposes of administration, a course may be divided into stages to be studied consecutively. The stages may be related to sessions or they may relate to an Academic Cycle. Part time students progress through a course more slowly and would often enrol in the same stage more than once.

Status

Status is a variable for students both with relation to Course and Unit of Study. With relation to Course, students can have the status of Enrolled or Not Enrolled. Not Enrolled reasons can be Totally Discontinued, Withdrawn, Suspended, Cancelled, Awarded, etc. With relation to Unit of Study, students can have the status of CURENR or WITHDN, Discontinued, etc.

Stream

A Stream is a defined program of study, selected from a table of Units of Study. Students enrolled in award courses that involve streams will have the stream recorded in their enrolment record. A student generally enters streams at the time of admission, although some award courses require students to enrol in streams after the completion of Level 1000. Students may transfer between Streams by altering their enrolment status within their Award Course, but only when permitted to do so by Faculty Resolution.

(See also Award Course, Major and Minor)

Student ID card

All students who enrol are issued with an identification card. The card includes the student name, SID, the course code, and a library borrower's bar code. The card identifies the student as eligible to attend classes and must be displayed at formal examinations. It must be presented to secure student concessions and to borrow books from all sections of the University Library.

Student Identifier (SID)

A nine-digit number which uniquely identifies a student at the University.

Student Load

(See Load)

Study Abroad Program

A scheme administered by the International Education Office which allows international students who are not part of an exchange program, to study UoSs at the University of Sydney, but not towards an award program. In most cases the UoSs studied here are credited towards an award at their home institution.

(See also Exchange Student)

Subject Area

A Unit of Study may be associated with one or more Subject Areas. The Subject Area can be used to define Prerequisite and Course Rules - eg, the Unit of Study 'History of Momoyama and Edo Art' may count towards the requirements for the Subject Areas 'Art History and Theory' or, 'Asian Studies'.

Supervising Faculty

The Supervising Faculty is the Faculty which has the responsibility for managing the academic administration of a particular course ie, the interpretation and administration of course rules, approving students' enrolments and variations to enrolments. Normally the supervising Faculty is the Faculty offering the course. However, in the case of combined courses, one of the two Faculties involved will usually be designated the Supervising Faculty at any given time. Further, in the case where one course is jointly offered by two or more Faculties (eg, the Liberal Studies course) a Joint Committee may make academic decisions about candidature and the student may be assigned a Supervising Faculty for administration.

The International Office has a supporting role in the administration of the candidatures of international students and alerts the Supervising Faculty to any special conditions applying to these candidatures (eg, that enrolment must be full-time).

{See also Board of Studies}

Supervision

Supervision refers to a one to one relationship between a student and a nominated member of the academic staff or a person specifically appointed to the position.

{See also Advisor, Associate Supervisor, Instrumental Supervisor (teacher), Research Supervisor}

Supplementary Examination

{See Supplementary Exams}

Supplementary Exams

Supplementary exams may be offered by Faculties to students who fail to achieve a passing grade or who were absent from assessment due to illness or misadventure.

Suppression of Results

Results for a particular student can be suppressed by the University for the following reasons:

- the student has an outstanding debt to the University
- the student is facing disciplinary action.

Suspension

{See Course Leave}

Teaching Department

{See Department}

Temporary address

Students may advise the University of a Temporary Address. Correspondence will be sent to this address between the dates specified by the student.

{See also Addresses, Business Address, Permanent Home Address, Semester Address}

Testamur

A testamur is a certificate of award provided to a graduate usually at a graduation ceremony.

Thesis

A thesis is a major work that is the product of an extended period of supervised independent research.

'Earliest date' is the earliest date at which a research student can submit the thesis.

'Latest date' is the latest date at which a research student can submit the thesis.

Timetable

Timetable refers to the schedule of lectures, tutorials, laboratories and other academic activities that a student must attend.

Transcript

{See Academic Transcript}

Transfer

{See Course Transfer}

Tuition Fees

Tuition fees may be charged to students in designated tuition fee-paying courses. Students who pay fees are not liable for HECS.

UAC

The Universities Admissions Centre (UAC) receives and processes applications for admission to undergraduate courses at recognised universities in NSW and the ACT. Most commencing undergraduate students at the University apply through UAC.

UAC Admissions

Most local undergraduates (including local undergraduate fee payers) apply through the Universities Admission Centre (UAC).

The University Admissions Office coordinates the processing of UAC applicants with Faculties and Departments and decisions are recorded on the UAC system.

Applicants are notified by UAC and an electronic file of applicants who have been made offers of admission to courses at the University is loaded onto FlexSIS.

{See also Admission, Direct Admissions}

UAI (Universities Admission Index)

The Universities Admission Index (UAI) is a number between 0.00 and 100.00 with increments of 0.05. It provides a measure of overall academic achievement in the HSC that assists universities in ranking applicants for university selection. The UAI is based on the aggregate of scaled marks in ten units of the HSC.

Undergraduate

A term used to describe a course leading to a Diploma or Bachelor's Degree. An 'undergraduate' is a student enrolled in such a course.

Unit of Study (UoS)

A Unit of Study is the smallest stand-alone component of a student's course that is recordable on a student's transcript. UoSs have an integer credit point value, normally in the range 3-24. Each approved UoS is identified by a unique sequence of eight characters, consisting of a four character alphabetical code which usually identifies the Department or subject area, and a four character numeric code which identifies the particular UoS. Units of Study can be grouped by subject and level.

{See also Core Unit of Study, Course, Major}

Unit of Study Enrolment Status

The UoS Enrolment Status indicates whether the student is still actively attending the UoS (ie, currently enrolled) or is no longer enrolled (withdrawn or discontinued)

Unit of Study Group

A grouping of Units of Study within a course. The Units of Study which make up the groups are defined within FlexSIS.

Unit of Study Level

Units of Study are divided into Junior, Intermediate, Senior, Honours, 5th Year, and 6th Year. Most Majors consist of 32 Senior Credit Points in a subject area (either 3000 level Units of Study or a mix of 2000 and 3000 level Units of Study).

University

Unless otherwise indicated, University in this document refers to the University of Sydney.

University Medal

A Faculty may recommend the award of a University Medal to students qualified for the award of an undergraduate Honours degree or some Masters degrees, whose academic performance is judged outstanding.

UoS

{See Unit of Study}

UPA

University Postgraduate Award.

USYDnet

USYDnet is the University of Sydney's intranet system. In addition to the customised MyUni service, it provides access to other services such as Directories (Maps, Staff and Student, Organisations), a Calendar of Events (to which staff and students can submit entries), and a software download area.

Variation of Enrolment

(See Enrolment Variation)

Vice-Chancellor

The chief executive officer of the whole University, responsible for its leadership and management. He is head of both academic and administrative divisions.

Waiver

In a prescribed course, a Faculty may waive the Prerequisite or corequisite requirement for a Unit of Study or the course rules for a particular student. Waivers do not involve a reduction in the number of credit points required for a course.

(See also Credit)

Weighted Average Mark (WAM)

The Weighted Average Mark (WAM) is the average mark in the UoSs completed, weighted according to credit point value and level. The formulae used to calculate the WAMs are course-specific: there are many different WAMs in the University.

Year of First Enrolment (YFE)

The year in which a student first enrolls at the University.

Index

A

academic dress, 30
accommodation, 30
Admissions Office, 39
Animal Digestion and Nutrition VETS 2010, 6
Animal Husbandry 1A VETS 1006, 5
Animal Husbandry 1B VETS 1019, 6
Animal Husbandry Practical Report VETS 4003, 10
Animal Nutrition 3 VETS 3010, 9
Animal Nutrition 4 VETS 4012, 10
Animal Science VETS 4033, 13
appeals, 30, 40
Applied Reproduction and Obstetrics VETS 4023, 11
Applied Veterinary Anatomy VETS 4014, 11
assessment, 22

B

Bird Health and Production VETS 5002, 11
Bookshop, Co-op, 39

C

careers information, 42
Casual Employment Service, 39
Cattle Health and Production VETS 5014, 12
Cell Biology 1A VETS 1013, 5
Cell Biology 1B VETS 1018, 5
Centre for English Teaching, 39
CHEM 1405 Chemistry, 5
Chemistry CHEM 1405, 5
clinical experience, 3
Clinical Practice 4 VETS 4010, 10
Clinical Practice 5 VETS 5010, 12
Continuing Education, 43
Counselling Service, 39

D

discontinuation, 30

E

enrolment and pre-enrolment, 39
Equine Anatomy VETS 2012, 7
Essay VETS 5017, 13
examination results, 23
Examinations and Exclusions Office, 40

F

fees, 40
Financial assistance, 30
Financial Assistance Office, 40
foundations, 30

G

Genetics and Biometry VETS 2009, 6
Graduations Office, 40
grievances appeals, 40

H

HECS and fees, 40
Horse Medicine VETS 5030, 13

I

identity cards, 42
International Student Centre, 40
International Student Services Unit, 41
Intranet, 41

L

Language Centre, 43
Learning Centre, 41
Library, 41

M

Mathematics Learning Centre, 42

P

Pig Health and Production VETS 5016, 13
Principles of Disease VETS 2013, 7
Professional Practice 1A VETS 1021, 6
Professional Practice 1B VETS 1017, 5
Professional Practice 2 VETS 2008, 6

R

Research and Scholarships Office, 43

S

scholarships, 43
scholarships and prizes, undergraduate, 33
scholarships, postgraduate, 26
Sheep Health and Production VETS 5009, 12
societies, student, 34
Special Medicine VETS 5018, 13
sport, Women's Association, 43
Sports Union, 43
Student Centre, 41, 42
student identity cards, 42
Student Services, 42
Students' Representative Council, 43

T

Timetabling Unit, 42

U

University Health Service, 43

V

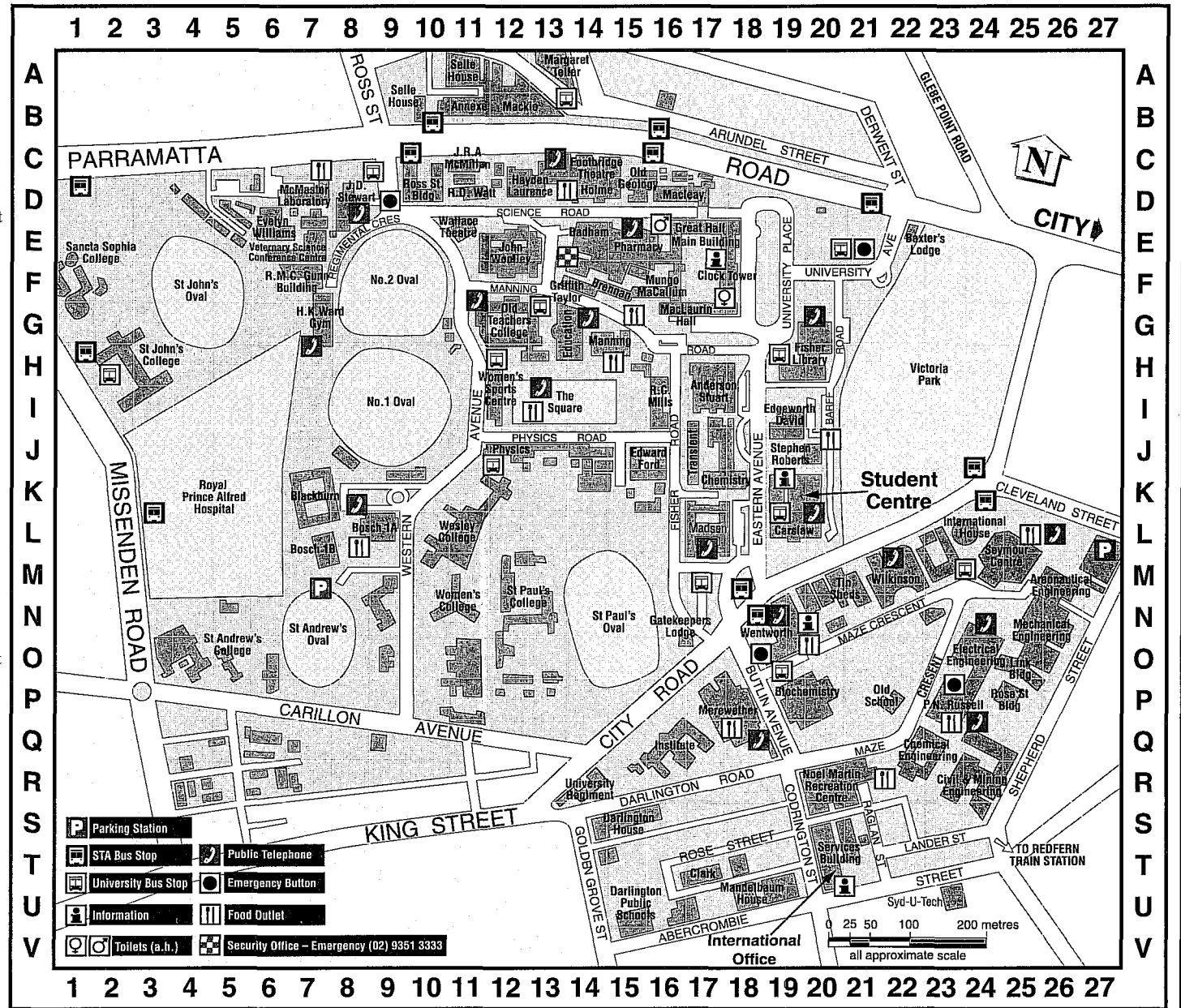
Veterinary Anaesthesia 3 VETS 3029, 9
Veterinary Anaesthesia 4 VETS 4006, 10
Veterinary Anatomy and Pathology VETS 4039, 13
Veterinary Anatomy and Physiology 1A VETS 1014, 5
Veterinary Anatomy and Physiology 1B VETS 1020, 6
Veterinary Anatomy and Physiology 2A VETS 2011, 7
Veterinary Anatomy and Physiology 2B VETS 2016, 8
Veterinary Clinical Pathology VETS 4016, 11
Veterinary Clinical Sciences VETS 4031, 13
Veterinary Conservation Biology VETS 2015, 7
Veterinary Medicine 3 VETS 3024, 9
Veterinary Medicine 4 VETS 4015, 11
Veterinary Microbiology 3A VETS 3001, 8
Veterinary Microbiology 3B VETS 3003, 8
Veterinary Parasitology 3 VETS 3014, 9
Veterinary Parasitology 4 VETS 4018, 11
Veterinary Pathology 3 VETS 3004, 9
Veterinary Pharmacology & Toxicology 3A VETS 3033, 10
Veterinary Pharmacology & Toxicology 3B VETS 3034, 10
Veterinary Physiology 3 VETS 3008, 9
Veterinary Public Health VETS 5004, 11
Veterinary Radiology 3 VETS 3030, 9
Veterinary Radiology 4 VETS 4009, 10
Veterinary Surgery 3 VETS 3031, 10
Veterinary Surgery 4 VETS 4017, 11
Veterinary Surgery 5 VETS 5005, 12
VETS 1006 Animal Husbandry 1A, 5
VETS 1013 Cell Biology 1A, 5
VETS 1014 Veterinary Anatomy and Physiology 1A, 5
VETS 1017 Professional Practice 1B, 5
VETS 1018 Cell Biology 1B, 5
VETS 1019 Animal Husbandry 1B, 6
VETS 1020 Veterinary Anatomy and Physiology 1B, 6
VETS 1021 Professional Practice 1A, 6
VETS 2008 Professional Practice 2, 6
VETS 2009 Genetics and Biometry, 6
VETS 2010 Animal Digestion and Nutrition, 6
VETS 2011 Veterinary Anatomy and Physiology 2A, 7
VETS 2012 Equine Anatomy, 7
VETS 2013 Principles of Disease, 7
VETS 2015 Veterinary Conservation Biology, 7
VETS 2016 Veterinary Anatomy and Physiology 2B, 8
VETS 3001 Veterinary Microbiology 3A, 8
VETS 3003 Veterinary Microbiology 3B, 8
VETS 3004 Veterinary Pathology 3, 9
VETS 3008 Veterinary Physiology 3, 9
VETS 3010 Animal Nutrition 3, 9
VETS 3014 Veterinary Parasitology 3, 9
VETS 3024 Veterinary Medicine 3, 9
VETS 3029 Veterinary Anaesthesia 3, 9

Index

VETS 3030 Veterinary Radiology 3, 9
VETS 3031 Veterinary Surgery 3, 10
VETS 3033 Veterinary Pharmacology & Toxicology 3A, 10
VETS 3034 Veterinary Pharmacology & Toxicology 3B, 10
VETS 4003 Animal Husbandry Practical Report, 10
VETS 4006 Veterinary Anaesthesia 4, 10
VETS 4009 Veterinary Radiology 4, 10
VETS 4010 Clinical Practice 4, 10
VETS 4012 Animal Nutrition 4, 10
VETS 4014 Applied Veterinary Anatomy, 11
VETS 4015 Veterinary Medicine 4, 11
VETS 4016 Veterinary Clinical Pathology, 11
VETS 4017 Veterinary Surgery 4, 11
VETS 4018 Veterinary Parasitology 4, 11
VETS 4023 Applied Reproduction and Obstetrics, 11
VETS 4031 Veterinary Clinical Sciences, 13
VETS 4033 Animal Science, 13
VETS 4039 Veterinary Anatomy and Pathology, 13
VETS 5002 Bird Health and Production, 11
VETS 5004 Veterinary Public Health, 11
VETS 5005 Veterinary Surgery 5, 12
VETS 5009 Sheep Health and Production, 12
VETS 5010 Clinical Practice 5, 12
VETS 5014 Cattle Health and Production, 12
VETS 5016 Pig Health and Production, 13
VETS 5017 Essay, 13
VETS 5018 Special Medicine, 13
VETS 5030 Horse Medicine, 13

University of Sydney directory

- Academic and Executive Service 16E
- Accounting 17P
- Accommodation Service 13G
- Administrative Policy & Strategic Planning Div'n 16E
- Administrative Support Services Div'n 16E
- Aeronautical Engineering 26M
- Agricultural Chemistry and Soil Science 10D
- Agricultural Economics HD
- Agriculture Faculty Office 1C
- Australian Graduate School of Management Burren St
- Alma Street Glasshouse 23N
- Alumni Relations 16E
- Anaesthesia 7K
- Anderson Stuart Bldg 17I
- Anatomy and Histology 17I
- Ancient History and Classics 16F
- Animal Health Camden
- Animal Science 7F
- Anthropology 16F
- Archaeology 16F
- Architectural and Design Science 22
- Architecture, Dept and Faculty Office 22M
- Architecture, Planning and Allied Arts 22M
- Archives 19H
- Art History and Theory 15I
- Art Workshop 20M
- Arts Faculty Office 16F
- Asset Management 13A
- Asian Studies 14F
- Attendant's Lodge 16O
- Badham Bldg and Library 14E
- Banks *see* Financial institutions Baxter's Lodge 22E
- Behavioural & Social Sciences in Nursing Mallett St
- Behavioural Science Cumberland
- Behavioural Sciences in Medicine 7K
- Biochemistry 20P
- Biological Sciences 15D
- Biomedical Science Cumberland
- Blackburn Bldg 7K
- Bookshops:
 - Medical 7K
 - SRC Secondhand 19N
 - University Co-operative 21R
- Bosch 1A (lecture theatres) 8L
- Bosch 1B Bldg 7M
- Brennan, C. Bldg 15F
- Budget Office 16E
- Business Liaison Office 12E
- Business Services 19U
- Campus Services 20T
- Careers Centre 13B
- Carslaw Bldg 19L
- Cashiers 13A



Central Services **20T**
 Central Records Office **16E**
 Centre for English Teaching **Mallett St**
 Centre for Teaching and Learning **19L**
 Chancellor's Committee Shop **17F**
 Chaplains' Centre **10G**
 Chemistry **17K**
 Child Care:
 Boundary Lane **16U**
 Carillon Avenue **9Q**
 Laurel Tree House (Glebe) **16B**
 Union (Darlington) **21S**
 Civil and Mining Engineering **24R**
 Clark Bldg **17T**
 Clinical Nursing **Mallett St**
 Clinical Ophthalmology & Eye Health
 Sydney Eye Hospital
 Clock Tower **17F**
 Clinical Trials **Mallett St**
 Communication Disorders **Cumberland**
 Community & Mental Health Nursing **Cumberland**
 Community Health **Cumberland**
 Community Medicine **15K**
 Computer Sales:
 Computer Sales and Service **23U**
 Computer Shop **21R**
 Computer Science, Basser Dept **17L**
 Continuing Education, Centre for **13B**
 Coppleson Postgraduate Medical Institute **9K**
 Copy Centre **21R**
 Counselling Service **13G**
 Crop Sciences **13F**
 Darlington House **14S**
 Dentistry Faculty Office & Dental Studies **Surry Hills**
 Development Office **16E**
 Disability Services **13G**
 Econometrics **17P**
 Economic History **17P**
 Economics, Dept and Faculty Office **17P**
 Edgeworth David Bldg **19J**
 Education Bldg and Faculty Office **13G**
 Educational Development & Evaluation **15K**
 Educational Psychology, Literacies & Learning **13G**
 Edward Ford Bldg **15K**
 Electrical Engineering **24O**
 Employment Service, Casual **14C**
 Engineering Faculty Office **25O**
 English **12E**
 Equal Employment Opportunity Unit **13A**
 Evelyn Williams Bldg **6E**
 Experimental Medicine **7K**
 External Relations Division **16E**
 Facilities Planning, Office of **20T**
 Family and Community Health in Nursing **Mallett St**
 Financial institutions:
 Commonwealth Bank **14D**
 Credit Union **14D**
 National Australia Bank **15E, 19N**
 Finance, Dept of **16Q**
 Financial Management & Reporting **13A**
 Financial Services Division **13A**
 Financial Systems Development **13A**
 Fine Arts (Art History & Theory) **151**
 Fisher Library **19G**
 Footbridge Theatre **14C**
 French Studies **15F**
 Garage, University **21T**
 Gender Studies **16G**
 General Practice **Westmead Hospital**
 Geography **16Q**
 Geology and Geophysics **19J**
 Germanic Studies **15F**
 Government and Public Administration **17P**
 Great Hall **18E**
 Greek, Modern **14F**
 Griffith Taylor Bldg **14F**
 Gunn, R.M.C. Bldg **7F**
 Heydon Laurence Bldg **12D**
 Health Information Management **Cumberland**
 Health Sciences Faculty Office **Cumberland**
 Health Service (Holme Bldg, Wentworth Bldg) **14C, 19N**
 History **15G**
 History and Philosophy of Science **19L**
 Holme Bldg **14D**
 Industrial Relations, Dept of **16Q**
 Infectious Diseases **7K**
 Information Technology Services **19U**
 Institute Bldg **16Q**
 International Office and International Student Services **20T**
 International House **23L**
 International Preparation Program **20T**
 Italian **151**
 Jurisprudence **St James**
 Koori Centre **12G**
 Law Dept and Faculty Office **St James**
 Learning Assistance Centre **13G**
 Life Sciences in Nursing **Mallett St**
 Linguistics **16J**
 Link Bldg **25O**
 Lost Property **14F**
 Mackie Bldg **13B**
 MacLaurin Hall **16G**
 Macleay Bldg and Museum **16D**
 Madsen Bldg **17L**
 Mail Room (Internal) **20T**
 Main Bldg **17F**
 Margaret Telfer Bldg **13A**
 Marketing, Dept of **16Q**
 Mathematics and Statistics **19L**
 McMaster Bldg **7D**
 McMillan, J.R.A., Bldg **11C**
 Mechanical and Aeronautical Engineering Bldg **25N**
 Media and Publications **17E**
 Mechanical Engineering **25N**
 Media Office **16E**
 Medical Radiation Technology **Cumberland**
 Medicine, Dept of **7K**
 Medicine, Faculty of **15K**
 Merewether Bldg **17P**
 Microbiology **20P**
 Mills, R.C. Bldg **161**
 Mungo MacCallum Bldg **15G**
 Music, Dept of **24M**
 Nicholson Museum **16G**
 Nursing Therapeutics **Cumberland**
 Obstetrics and Gynaecology **9K**
 Occupational Therapy **Cumberland**
 Old Geology Bldg **15D**
 Old School Bldg **21P**
 Old Teachers' College Bldg **12G**
 Operations Accounting **13A**
 Orange Agricultural College **Orange**
 Orthoptics **Cumberland**
 Paediatrics and Child Health **New Children's Hospit**
 Pathology **7K**
 Personnel Services **13A**
 Pharmacology **7L**
 Pharmacy **15E**
 Philosophy **17G**
 Photowise Imaging **20T**
 Physics **13J**
 Physiology **171**
 Physiotherapy **Cumberland**
 Planning Support Office **16E**
 Post Office **15E**
 Printing Services, University **20T**
 Professional Studies **13G**
 Properties and Investments **13A**
 Prospective Students Unit **12B**
 Psychological Medicine **4K**
 Psychology **14F**
 Purchasing **13A**
 Publications Unit **16E**
 Public Health and Community Medicine **15K**
 Quadrangle **17F**
 Queen Elizabeth U Research Institute **9K**
 Regiment, University **14R**
 Religion, School of Studies in **12E**
 Research and Scholarships **16E**
 Revenue Services **13A**
 Risk Management **13A**
 Rose Street Bldg **24P**
 Ross Street Bldg **10D**
 Russell, Peter Nicol, Bldg **23P**
 St Andrew's College **5O**
 St John's College **3H**
 St Paul's College **12N**
 St Paul's College **12N**
 Sancta Sophia College **IF**

CAMDEN CAMPUS

Department of Veterinary Clinical Sciences
Department of Animal Science
Camden Administration
Camden Farms

