



The University of Sydney

Faculty of Veterinary Science Handbook 2003

University dates

University semester and vacation dates 2003

<i>Summer School</i>	
Lectures begin	Monday 6 January
Lectures ends	Friday 7 March

<i>Semester 1</i>	
Lectures begin	Monday 10 March
Easter recess:	
Last day of lectures	Thursday 17 April
Lectures resume	Monday 28 April
Study vacation: 1 week beginning	Monday 16 June
Examinations commence	Monday 23 June
Lectures end	Saturday 5 July

<i>Semester 2</i>	
Lectures begin	Monday 28 July
Mid-semester recess:	
Last day of lectures	Friday 26 September
Lectures resume	Tuesday 7 October
Study vacation: 1 week beginning	Monday 3 November
Examinations commence	Monday 10 November
Lectures end	Saturday 22 November

Last dates for withdrawal or discontinuation 2003

<i>Semester 1 units of study</i>	
Last day to add a unit	Friday 21 March
Last day for withdrawal	Friday 28 March
Last day to discontinue without failure (DNF)	Friday 2 May
Last day to discontinue Discontinued - Fail)	Friday 13 June

<i>Semester 2 units of study</i>	
Last day to add a unit	Friday 8 August
Last day for withdrawal	Friday 29 August
Last day to discontinue without failure (DNF)	Friday 12 September
Last day to discontinue (Discontinued - Fail)	Friday 31 October

University semester and vacation dates 2001-2006 are listed in an Acrobat PDF document which can be downloaded from: policy.rms.usyd.edu.au/000004e.pdf.

The University of Sydney

NSW 2006
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Faculty of Veterinary Science

Vision

A world leader in veterinary education and research, focused on the health and welfare of animals and benefit to the community.

Values

Student life-long learning, supported by inspirational teaching

Research excellence creating new knowledge

Service to the profession and the community, as we value and develop our key relationships

A culture built on academic excellence, integrity, respect and encouragement

Animal well being guiding our work

Mission

We will educate and graduate outstanding veterinarians.

We will deliver a high quality, learning environment with a dynamic and responsive curriculum delivered by inspirational academic staff.

We will undertake high quality research and the establishment of research groups of excellence.

We will mentor our graduate students and develop a sense of ongoing commitment to and involvement with their university.

We will manage elite veterinary teaching hospitals where student learning opportunities are maximised, and excellent service is provided to the community.

We will be at all times informed and balanced advocates for the responsible care of animals.

We will work to ensure the financial viability and sustainable future of the Faculty.

We will have clear direction and effective leadership that maintains open avenues of consultation with students, staff and the wider university community.

Faculty of Veterinary Science

Culture statement

'We commit ourselves to developing and strengthening a unified culture that embodies:

A strong sense of common purpose supported by open and honest communication

Mutual trust and respect between all staff and students regardless of position

Fairness for all staff and students with recognition and reward for their achievements

A willingness and capability to adapt to internal and external change

Pride in the Faculty's heritage and belief in our core values

Everyone accepting personal responsibility and shared leadership for our future.'

Leadership and innovation
in
Veterinary Science

Welcome from the Dean

Congratulations on your selection into the Faculty of Veterinary Science. I know that for many of you, commencing veterinary science or veterinary medicine, represents the fulfilment of a dream of training to become a veterinarian. The University of Sydney has Australasia's oldest Faculty of Veterinary Science and as we celebrate more than 90 years of continuous production of world-class veterinarians, the University of Sydney has just celebrated its sesquicentenary (150 years) - we were Australia's first university.

The staff in our 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 Students and staff in the Faculty Office 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 and in external partner practices run by private veterinarians. In these clinics 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 research 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 six years, more than 34 students have completed this degree and found it to be one of the most satisfying things that they have done, leading to new career aspirations and research opportunities. The requirements for this one-year degree are described in the 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. We have made a major commitment, together with the Library and the Post Graduate Foundation in Veterinary Science, to the development of a unique on-line resource, the Veterinary Education and Information Network, VEIN (www.library.usyd.edu.au/VEIN). VEIN will be a key resource during your years in the Faculty and afterwards when you are in practice anywhere in the world. To ensure that our curriculum is meeting your needs, 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.



Reuben J. Rose, Dean



1 Faculty of Veterinary Science

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Associate Deans

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Dr Paul Hopwood

Faculty Manager

Cindy Wilkinson

General Manager, Veterinary Clinics

Cindy Wilkinson

Sub Deans

Animal Welfare

Dr Robert J Dixon

Chair Teaching Committee & Student Learning

Dr Rosanne Taylor

Undergraduate Admissions

Dr Paul Hopwood

Postgraduate Education

Professor Frank W Nicholas

BSc(Vet)

Dr Glenn Shea

Students

Dr Rhondda B Canfield

Agriculture Teaching

Dr Michelle Hyde

Extra Mural Placements

Professor Gareth Evans

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Animal Welfare

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BSc(Vet)

Dr Glenn M Shea, BVSc, PhD

Chair Teaching Committee and Sub Dean Student Learning

Dr Rosanne M Taylor

Extra Mural Placements

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Post Graduate Education

Professor Frank Nicholas, BScAgr, PhD (Edin)

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Professor Alan Husband, BScAgr, DSc (N'cle NSW), PhD, FASM

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Director, University Veterinary Centre - Sydney

Associate Professor R Max Zuber

Director, University Veterinary Centre - Camden

Andrew Dart (Acting)

General Manager, Veterinary Clinics

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Professors

Gareth Evans, BA (Ox), PhD

Brian R H Farrow, BVSc, PhD, FACVSc. Appointed 1995

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

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Crop Sciences — Senior Lecturer

Dennis R de Kantzow, BScAgri, DipAgrEc, FAIAS

Infectious Diseases - Senior Lecturer

Carol H Thompson, BVSc, DipClinPath

2 Introduction to undergraduate courses

Bachelor of Veterinary Science, BVSc

(see also *Bachelor of Veterinary Science units of study on page 6*)

Veterinary Science at The University of Sydney produces graduates with the knowledge and skills to pursue many career options. The five-year course has a strong emphasis on animal handling skills, and includes teaching programs in a wide range of animal industries. Students spend twelve weeks on horse, pig, beef and dairy cattle, sheep, and poultry farms. These experiences develop competency in animal management. 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 and these extramural links with practising veterinary surgeons are an important component of the BVSc program. The Faculty is committed to a variety of teaching methods, including lectures, laboratory practical classes, tutorials, case studies, workshops, computer assisted learning, and practical demonstrations. In years 4 and 5 students observe and participate in clinical activities at the University Veterinary Centres located at Sydney and Camden. Clinical cases and methods of dealing with real-life veterinary problems are emphasised in the course.

The Faculty is committed to a course that will provide students with opportunities to learn about clinical veterinary science and teaching material is organised to demonstrate how basic sciences such as chemistry and biochemistry are applicable to veterinary science. The units of study are described in chapter 3.

General Information on admissions, enrolment and other matters are included in Section 8 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 with small group teaching.

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 Semester 2 of Year 4, students are rostered to spend four 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 four weeks extramural clinical practical experience for each of small and large animals in approved veterinary practices. Subject to approval, students may undertake externships with zoos or attend an equine practice during this time. However only one week of the time spent at either a zoo or equine practice maybe counted towards their three week small or large animal extramural requirements respectively. All arrangements for placement are made through the Faculty Office.

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

Assumed knowledge for school leavers

NSW Higher School Certificate or equivalent level Mathematics, Chemistry, Physics and Science. Biology would be a distinct advantage.

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:

- the timetable arrangements are such that students can attend all classes
- all prerequisites for enrolment in the unit of study have been satisfied
- 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 Associate Dean for Teaching and Learning.

Bachelor of Science (Veterinary), BSc(Vet)

(see also *Bachelor of Science (Veterinary) units of study on 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 are subject to change.

Books

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

NB: New curriculum units of study are taught in Years 1-3 in 2002, Years 1-4 in 2003 and in all years in 2004.

3 Units of study

■ Bachelor of Veterinary Science

Year 1

Semester 1

VETS 1006 Animal Husbandry 1A

5 credit points. Dr Paul McGreevy. Semester: 1. 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 series of practical classes including handling of dogs and cats and associated tutorials.

Textbooks

Students should consult lecturers before purchasing text or reference books

Gardner JAA, et al. ed. Pig Production in Australia. 2nd edn. Butterworths, 1990.
Huntington PJ, Cleland F. Horse Sense: The Australian Guide to Horse Husbandry. Agmedia, 1992.
North MO, Bell DD. Commercial Chicken Production Manual. 4th edn. AVI Publishing Company, 1990.
Reid RL. A Manual of Australian Agriculture. 5th edn. Heinemann, 1990.
Sainsbury D. Animal Health. 2nd edn. Blackwell Science, 1998.
McGreevy Red. Cats - Little Guides. San Francisco, California: Weldon Owen. ISBN: 1875137653.
McGreevy P, ed. Dogs - Little Guides. San Francisco, California: Weldon Owen. ISBN: 1875137637.
Unit of study Manual

VETS 1013 Cell Biology 1A

4 credit points. Dr Paul Sheeny. Semester: 1. Classes: 38 lectures, 10 hours of practical classes. Assumed knowledge: See UAC Handbook. Assessment: 1 hour written paper 65%, mid-semester assignment 15%, integrated assignment 15% and operation of a light microscope 5%. This unit will introduce students to the biology of the cell. Topics include cell structure and cellular metabolism. The cell structure component includes a description of cell membranes and organelles and the cellular metabolism component includes a discussion of metabolic pathways. Clinical material is used to illustrate normal structure and function.

Textbooks

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

CHEM 1405 Chemistry

6 credit points. Dr Adrian George. Semester: 1. Classes: 52 lectures and nine 3 hour practical classes. Assumed knowledge: HSC Chemistry. 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 HSC Chemistry.

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 1021 Professional Practice 1A

3 credit points. Dr Henry Collins. Semester: 1. Classes: 13 workshop sessions of 2 hours and 13 lectures of 1 hour. 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 Faculty (lecture notes)

VETS 1014 Veterinary Anatomy and Physiology 1A

6 credit points. Dr Paul Hopwood. Semester: 1. Classes: 32 lectures, 37 hours of practical classes and 12 hours of tutorials. Assessment: 3 hour written examination 85% (anatomy 60%; physiology 25%) of subject marks; tutorial assignment 15%.

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.

Tutorials and formative assessments on webct will be used to assist learning.

Textbooks

Dellmann H, Eurell J. Textbook of Veterinary Histology. 5th edn. Williams and Wilkins, 1998.
Evans HE. Miller's Anatomy of the Dog. 3rd edn. Sydney: WB Saunders Co., 1993.
Cunningham JG. Textbook of Veterinary Physiology. 3rd edn. Sydney: WB Saunders Co., 2001.
Practical Class Manual

Semester 2

VETS 1019 Animal Husbandry 1B

7 credit points. Dr David McNeill. Semester: 2. 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 RS, Edney ATB. Practical Animal Handling. Pergamon Press, 1991.
Cottle DJ, ed. Australian Sheep and Wool Handbook. Inkata Press, 1991.
Gardner JAA, et al. ed. Pig Production in Australia. 2nd edn. Butterworths, 1990.
Huntington PJ, Cleland F. Horse Sense: The Australian Guide to Horse Husbandry. Agmedia, 1992.
North MO, Bell DD. Commercial Chicken Production Manual. 4th edn. AVI Publishing Company, 1990.
Reid RL. A Manual of Australian Agriculture. 5th edn. Heinemann, 1990.
Sainsbury D. Animal Health. 2nd edn. Blackwell Science, 1998.

VETS 1018 Cell Biology 1B

6 credit points. Dr Paul Sheehy. **Semester: 2. Classes:** 43 lectures, 24 hours of practical classes. **Assumed knowledge:** VETS 1013 Cell Biology 1A. **Assessment:** 2 hour written paper 60%, mid-semester assignment 20%, Integrated assignment 20%.

In this unit the study of the molecular biology of the cell will be extended to include gene expression, recombinant DNA technology, 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*. New York: Garland Publishing, 1998.

VETS 1017 Professional Practice 1B

3 credit points. Dr Henry Collins. **Semester: 2. Classes:** 9 workshop sessions of 2 hours and 9 lectures of 1 hour. Extramural Experience: 4 visits of 3 hours to Educational Support Practices. **Assumed knowledge:** VETS 1021 Professional Practice 1A. **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 Educational 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 Faculty (lecture notes)

VETS 1020 Veterinary Anatomy and Physiology 1B

8 credit points. Dr Glenn Shea. **Semester: 2. 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% (14% in-class, 16% end-of-semester).

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

Evans HE. *Miller's Anatomy of the Dog*. 3rd edn. Sydney: WB Saunders Co, 1993.

Cunningham JG. *Textbook of Veterinary Physiology*. 3rd edn. Sydney: WB Saunders Co., 2001.

Unit of study Manual

Year 2**Semester 1****VETS 2010 Animal Digestion and Nutrition**

7 credit points. Dr Rhondda Canfield. **Semester: 1. Classes:** Classes 91 hours of lectures, tutorials and practical classes. **Assumed knowledge:** Veterinary Science Year 1. **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 KH. *Energy Metabolism of Animals and Man*. Cambridge University Press, 1989.

Case LP, Carey DP, Kirakawa DA. *Canine and Feline Nutrition*. Mosby, 1995.

Cunningham JG. *Textbook of Veterinary Physiology*. 3rd edn. WB Saunders, 2001 (2nd edn acceptable).

D'Mello JPF. ed. *Farm Animal Metabolism and Nutrition*. CAB International, 2000.

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

Dyce KM, Sack WO, Wensing CJ. *Textbook of Veterinary Anatomy*. 3rd edn. Saunders, 2002 (2nd edn acceptable).

Forbes JM, France J. *Quantitative Aspects of Ruminant Digestion and Metabolism*. CAB International, 1993.

Frape D. *Equine Nutrition and Feeding*. 2nd edn. Blackwell Science, 1998.

Kelly NC, Wills JM. *Manual of Companion Animal Nutrition and Feeding*. BSAVA, 1996.

Klasing KC. *Comparative Avian Nutrition*. CAB International, 1998.

Rook JAF, Thomas PC. *Nutritional Physiology of Farm Animals*. Longman, 1983.

Stevens CE, Hume ID. *Comparative Physiology of the Vertebrate Digestive System*. 2nd edn. Cambridge University Press, 1995.

Swenson MJ, Reece WO. eds. *Dukes' Physiology of Domestic Animals*. 11th edn. Comstock Publishing, 1993.

Underwood EJ, Suttle NF. *The Mineral Nutrition of Livestock*. 3rd edn. CAB International, 1999.

Van Soest PJ. *Nutritional Ecology of the Ruminant*. 2nd edn. Comstock Publishing, 1994.

VETS 2009 Genetics and Biometry

6 credit points. Prof Frank Nicholas. **Semester: 1. Classes:** 78 hours of lectures/practicals/tutorials. **Assumed knowledge:** Veterinary Science Year 1. **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 FW. *Introduction to Veterinary Genetics*. Oxford: Blackwell Science, 1996.

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

VETS 2008 Professional Practice 2

4 credit points. Dr Henry Collins. **Semester: 1. Classes:** 5 workshop sessions of 2 hours and 6 lectures of 1 hour. Extramural Experience: 4 visits of 3 hours to Educational Support Practices. Independent Learning: Independent Learning Project (ILP), 24 hours. **Assumed knowledge:** VETS 1021 Professional Practice 1A and VETS 1017 Professional Practice 1B. **Assessment:** Portfolio of work, including the ILP Report.

This unit involves a study of the routine management of a veterinary practice. There will be opportunities to evaluate and report on particular aspects in more depth. Students will acquire further skills in communication and learn how to cope with particular situations such as grief and anger. The topic of the Independent Learning Project is selected by the student and contributes to their professional development. Other topics studied will include communication and the human-animal bond.

Textbooks

Produced in Faculty (lecture notes)

VETS 2011 Veterinary Anatomy and Physiology 2A

7 credit points. Dr D.L. Evans. **Semester: 1. Classes:** 98 hours, with 3-4 lectures and 3-4 hours of practicals or tutorials per week. **Assumed knowledge:** Veterinary Science Year 1. **Assessment:** One in-semester assessment (worth 25%), 90 minute exam (30%), 1 hour practical exam (45%).

This unit has been designed to extend knowledge obtained during Year 1 units in Veterinary Anatomy and Physiology and explore more mechanisms of animal dysfunction. It also deals with some new topics in animal structure and function, particularly the nervous system, and covers the anatomy of common domestic bird species, with an emphasis on the chicken.

The unit focuses on the nervous system and senses, mechanisms by which dysfunction of body systems leads to disease, and development of skills used to recognize normal and abnormal animals. Neurophysiology and neuroanatomy are integrated, and students will learn how neural function is determined by the neural structures and their connections. Students will apply the principles covered in these topics to examine, describe, interpret and explain how animals perceive their environment, process and store information and respond with voluntary and involuntary activities. The primary focus will be on normal animals, however specific lesions will be used to

demonstrate the role of components of the nervous system in normal function. The skills and knowledge acquired during this unit will be further used and developed in units of study in years 2-5 of the course. For example the neuroanatomy, neurophysiology and neuropharmacology component of this unit will provide students with a basis for analysis and management of animals with abnormal neurological function in clinical medicine. The unit also covers aspects of applied cardiovascular and exercise physiology.

Tutorials and formative assessments on webct will be used to assist learning.

Textbooks

Cunningham JG. Textbook of Veterinary Physiology. 2nd edn. Sydney: WB Saunders Co., 1997.

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

Dyce KM, Sack WO, Wensing CJ. Textbook of Veterinary Anatomy. 3rd edn. Saunders, 2002 (2nd edn acceptable).

Evans HE. Miller's Anatomy of the Dog 3rd edn. Saunders 1993.

Reference books

List provided by staff

Semester 2

VETS 2012 Equine Anatomy

4 credit points. Dr Glenn Shea. Semester: 2. Classes: 52 hrs of practical classes. **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. **Assessment:** One 2 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 KM, Sack WO, Wensing CJ. Textbook of Veterinary Anatomy. 3rd edn. Saunders, 2002 (2nd edn acceptable).

Hackett MS, Sack WO. Rooney's Guide to the Dissection of the Horse. 7th edn. Ithaca: Veterinary Textbooks, 2001.

Reference book: Ashdown RR, Done SH. Color Atlas of Veterinary Anatomy. Vol.2. The Horse. London: Mosby-Wolfe, 2000.

Additional course material will be available on the Web.

VETS 2013 Principles of Disease

8 credit points. Dr Kate Bosward. Semester: 2. Classes: 104 hours of lectures, tutorials and practical classes. **Assumed knowledge:** Veterinary Science Year 1 (Semesters 1 and 2) and Year 2 (Semester 1 only). **Assessment:** Quizzes, assignments and a final 2-hour examination.

The primary aim of Principles of Disease is to lay a solid foundation for studies in the third year of the Veterinary Science course. Principles of Disease introduces students to the disciplines of pathology, immunology, microbiology and parasitology and provides an integrated view of how disease is a result of interactions amongst host, organism and environment.

Textbooks

Slauson DO, Cooper BJ. Mechanisms of Disease. A textbook of Comparative General Pathology. 3rd edn. Mosby, 2002.

Jones TC, et al. Veterinary Pathology. 6th edn. Williams and Wilkins, 1997.

Murphy FA, et al. Veterinary Virology. 3rd edn. Academic Press, 1999.

Tizzard IR. Veterinary Immunology. An Introduction. 6th edn. WB Saunders, 2000.

Janeway C, et al. Immunobiology: The Immune System in Health and Disease. 4th edn. Garland, 1999.

VETS 2016 Veterinary Anatomy and Physiology 2B

8 credit points. Dr Rhonda Canfield. Semester: 2. Classes: 62 lectures and 42 hrs of other classes. **Assumed knowledge:** Veterinary Anatomy and Physiology 1A, 1B, 2A. **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 lectures will include tutorials, laboratory work, library research and small group projects.

Textbooks

Dellmann HD, Eurell JA. Textbook of Veterinary Histology. 5th edn. Williams and Wilkins, 1998.

Dyce KM, Sack WO, Wensing CJ. Textbook of Veterinary Anatomy. 3rd edn. Saunders, 2002 (2nd edn acceptable).

Hafez B, Hafez ESE. eds. Reproduction in Farm Animals. 7th edn. Lippincott, Williams and Wilkins, 2000.

Lippincott, Williams and Wilkins, 2000.

VETS 2015 Veterinary Conservation Biology

4 credit points. Assoc. Prof A.W. English. Semester: 2. Classes:

Lectures/tutorials 37 hrs, practical classes 17 hrs. Total 52 hrs.

Assessment: 2 hour written paper (65% of total mark), mid semester quiz (10%) and written project (25% 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 now generally 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 farming (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 proposed 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 strandings).
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

- Burgman MA, Lindemayer DB. Conservation Biology for the Australian Environment. Surrey Beatty & Sons Pty Ltd, 1988. ISBN 0 94932478 7.
- Olsen P. Australia's Pest Animals. New Solutions to Old Problems. Bureau of Resource Sciences, 1998. ISBN 0 86417 808 5.
- White S. Caring for Australian Wildlife. Australian Geographic Pty Ltd, 1997. ISBN 1 86276 021 7.

Reference book

- Strahan R. ed. The Australian Museum complete book of Australian Mammals. Reed Publishing, 1995.

Year 3

Semester 1

VETS 3018 Animal Behaviour and Animal Welfare Sci
3 credit points. Dr Paul McGreevy. Semester: 1. Classes: 16h lectures, 26h practical/tutorial sessions. Assumed knowledge: Veterinary Science Years 1-2. Assessment: Assignments and final examination. Animal Behaviour and Animal Welfare Science is the study of normal and abnormal behaviours in domestic and captive species. Animal Behaviour is one of the core knowledge areas for veterinarians because it facilitates the recognition of disease states and helps veterinarians to make informed comment on animal welfare issues. Additional training in the area would be required for those aspiring to become specialist veterinary behaviour therapists.

The unit of study draws on knowledge of many aspects of animal husbandry, evolutionary biology and physiology, pharmacology and psychology. The course focuses on the importance of understanding ethology, learning theory and trainers' techniques and includes demonstrations from expert animal handlers and trainers.

Textbooks

- Manning A, Dawkins MS. Introduction to Animal Behaviour. Cambridge University Press.
- Haupt KA. Domestic Animal Behaviour for Veterinarians and Animal Scientists. Iowa State University Press.
- Webster AJF. Animal Welfare - a cool eye towards Eden. Blackwell Scientific Publishing.
- Unit of study manual

VETS 3019 Professional Practice 3A

2 credit points. Dr Henry Collins. Semester: 1. Classes: 6 workshop sessions of 2 hours and 14 lectures of 1 hour. Assumed knowledge: Professional Practice 1A, 1B, 2. Assessment: Group presentations and reports, class participation.

This unit builds on knowledge of practice management acquired previously. Students are introduced to the skills necessary to plan, develop and manage the finances of a veterinary practice. In addition, students will investigate the cultural context of veterinary science and public and media perceptions of the veterinarian.

VETS 3035 Veterinary Microbiology

4 credit points. Dr J. L. Hodgson. Semester: 1. Classes: 44 hours of lectures and 12 hours of practicals. Assumed knowledge: Veterinary Science Years 1-2. Assessment: Practical class assignments 20%, final examination 80% (50% theory exam, 30% practical exam).

Veterinary Microbiology encompasses veterinary bacteriology, virology and mycology and the role of these three groups in infectious disease processes. It also includes the newly discovered microscopic disease agents. The study of Veterinary Microbiology is based on a basic understanding of the structure and morphology of the pathogenic bacteria, viruses and fungi of veterinary significance and is supported by knowledge of pathological and immunological processes taught in Principles of Disease. Veterinary Microbiology uses a practical and clinical approach in the study of infectious diseases and help to prepare students for Animal Disease and clinical subjects.

VETS 3037 Veterinary Parasitology

4 credit points. Dr Henry Collins. Semester: 1. Classes: 14 practical sessions of 2 hours and 28 lectures of 1 hour. Assumed knowledge: Veterinary Science Years 1 and 2. Assessment: Practical class exercises, group project, interim written examination, final written and practical examinations.

A study of the common diseases of companion and commercial animals caused by protozoan, nematode, platyhelminth, insect and acarine parasites. The course includes the biology of parasites, and the pathogenesis, diagnosis, epidemiology, treatment and control of parasitic diseases. Veterinary Parasitology assumes an understanding of basic biological principles, and knowledge of the anatomy and physiology of animals. The unit is a preparation for Animal Disease (VETS 3020).

Textbooks

Unit of study manual (available from Faculty)

VETS 3011 Veterinary Pathology

7 credit points. Dr Mark Krockenberger. Semester: 1. Classes: 98 hours of practicals, lectures and tutorials. Assumed knowledge: Veterinary Science Years 1-2. Assessment: Quizzes, practical class activities, tutorial assignments, a practical examination and a 3 hour written examination.

Veterinary Pathology is the study of disease and disease processes in animals and includes teaching skills in understanding and recognizing disease in a range of animal species. Pathology is one of the core knowledge areas for veterinarians and additional training in the area would be required for those aspiring to become a specialist veterinary pathologist.

The unit of study draws on knowledge of many aspects of anatomy, histology, physiology, microbiology and parasitology and assumes a thorough understanding of the Principles of Disease unit of study upon which it builds. The course is practically-orientated and presented in a contemporary, 'body systems based' manner. In addition, the pathogenesis of diseases with nutritional, genetic or toxic cause will be included. The tutorial component of the course allows the student to consider the pathogenesis of disease in the setting of real cases.

Textbooks

- Jones TC. et al. Veterinary Pathology. 6th edn. Williams and Wilkins, 1997.
- McGavin MD. et al. Thomson's Special Veterinary Pathology. 3rd edn. Mosby, 2001.

VETS 3013 Veterinary Pharmacology and Toxicology

4 credit points. Dr Merran Govendir. Semester: 1. Classes: 56 hr. Assumed knowledge: Veterinary Science Years 1-2. Assessment: Assignments and final examination.

Pharmacology is the study of the safe use of drugs in the therapy and prevention of animal diseases. Toxicology refers to pharmacologically active toxins which adversely affect animals. These subjects build on knowledge learnt in Chemistry, Cell Biology and Veterinary Physiology and provides the basis to understand how pharmacological agents work at their site of action and how they behave in the body. In order to link the diseases of animals and their therapy the course runs parallel with units of study in Veterinary Pathology, Veterinary Microbiology and Veterinary Parasitology. The application of knowledge learnt in Veterinary Pharmacology and Toxicology is a major component of clinical veterinary science.

The unit covers the principles of drug action and then deals with a range of drug classes pertinent to veterinary science and the peculiarities of drugs in the core species.

Textbooks

- Rang HP, Dale MM, Ritter JM. Pharmacology. 4th edn. Edinburgh: Churchill Livingstone, 1999.

Maddison JE, Page S, Church DB. *Small Animal Clinical Pharmacology*. Philadelphia: WB Saunders & Co, 2001.

Semester 2

VETS 3020 Animal Disease

11 credit points. Assoc Prof Nicholas Sangster. Semester: 2. Classes: 143 hours. Material will be presented as cases each week and the proportion of hours spent in different activities will vary, but will include practicals, group activities and computer-based exercises. Assumed knowledge: Veterinary Science Years 1-2. Assessment: Quizzes will be completed within each case and case investigation exercises will be used to assess problem solving skills. There will be a mid-semester and final examination.

This unit of study relies on the knowledge of basic sciences but extends and integrates knowledge in Veterinary Parasitology, Veterinary Microbiology, Veterinary Pathology and Veterinary Pharmacology. The material is presented in a series of disease cases in a herd or individual animal. For each case students work through causative agents, differential diagnosis, diagnostic techniques and arrive at treatment and control solutions. The course includes diseases caused by a wide range of organisms but considers other aspects of disease in a range of animals of veterinary interest.

Linked to each case is a major topic which is one theme in Veterinary Public Health (epidemiology, zoonoses, hygiene) or therapy. The cases are also linked to Professional Practice themes.

VETS 3036 Professional Practice 3B

2 credit points. Dr Henry Collins. Semester: 2. Classes: 13 workshop sessions of 2 hours. Assumed knowledge: Professional Practice 1 A, 1B, 2, 3A. Assessment: In-class evaluation and report.

This unit is a preliminary study of the various Acts and other legislation pertaining to the practice of veterinary science. Students are introduced to basic legal concepts and processes. The legislation to be studied is linked to the clinical scenarios in VETS 3020 Animal Disease. Classes comprise student presentations and role-plays supported by talks from appropriate authorities.

VETS 3025 Public Health

4 credit points. Assoc Prof. Nicholas Sangster. Semester: 2. Classes: 52 hours and will take the form of lectures and student presentations. Assumed knowledge: Veterinary Science Years 1-2. Assessment: A project in each of the three subject areas. A computer-based task and a final written examination.

Veterinary Public Health encompasses three related sciences: Zoonoses and Food Safety underpin the role of maintaining human health. Veterinary Epidemiology, which is the study of disease patterns, assists the control of human and animal disease. The course in Veterinary Public Health builds on Veterinary Pathology, Veterinary Microbiology and Veterinary Parasitology and runs concurrently with Animal Disease. Topics are dealt with in the context provided by the Animal Disease cases.

VETS 3027 Veterinary Clinical Sciences 3

7 credit points. Dr Jason Beck. Semester: 2. Classes: 78h lectures. Practical classes in individual disciplines. Prerequisite: Veterinary Science Years 1-2 and February semester Year 3. Assessment:

Integrated written examination plus skills assessments in individual clinical disciplines in medicine, surgery, anaesthesia and radiology. Veterinary Clinical Science is the first unit of several which develop skills in the clinical sciences. It builds on all of the preclinical units and precedes a species-based approach to clinical issues. This unit of study is designed to impart basic skills in imaging, anaesthesia, surgery and medicine using relevant clinical case material.

Textbooks

Nelson RW, Couto CG. eds. *Small Animal Medicine*. 2nd edn. St Louis: Mosby.

Fossum TW. *Small Animal Surgery*. St Louis: Mosby 1997.

Hall, Clarke, Trim. *Veterinary Anaesthesia*. 10th edn. Harcourt.

Year 4

Semester 1

VETS 4331 Animal Husbandry Practical Report

2 credit points. Prof Gareth Evans. Semester: 1. Assumed knowledge: Veterinary Science Years 1-3. 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 4111 Veterinary Anaesthesia

4 credit points. Dr Sanaa Zaki. Semester: 1. Classes: 24 lectures, 4 x 3 hrs practical and tutorial classes, 4 x 1 hr tutorial classes. Prerequisite: Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. Assessment: Written examination, assignment and practical skills assessment.

This course involves the planning and implementation of safe anaesthesia for small companion animals, incorporating clinical cases from the veterinary teaching hospital. The focus is primarily on cats and dogs, however discussion of other species is included. Topics for discussion include anaesthesia for common disease conditions, different anaesthetic techniques for different species, equipment used in anaesthesia, analgesia for the peri-operative period, transfusion therapy and resuscitation techniques for cardio-respiratory arrest.

Tutorial classes reinforce and develop further the concepts discussed in lectures. Practical classes encourage students to utilise their skills, and develop the manual dexterity and confidence required for anaesthetising routine clinical cases. Practical: Practical classes encourage students to utilise their skills, and develop the manual dexterity and confidence required for anaesthetising routine clinical cases.

Textbooks

Hall, Clarke, Trim. *Veterinary Anaesthesia*. 10th edn. Harcourt.

Flecknell, Waterman-Pearson. *Pain Management in Animals*. WB Saunders.

Muir, Hubbell, Skarda, Bednarski. *Handbook of Veterinary Anaesthesia*. 3rd edn. Mosby.

VETS 4112 Veterinary Medicine & Clinical Pathology

8 credit points. Associate Professor David Watson. Semester: 1. Classes: 62 lectures + practical and tutorial sessions. Prerequisite: Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. Assessment: Written examination, continuous assessment during practical and tutorial sessions on the basis of skills, knowledge and participation. Objective structured clinical examination.

Medicine commenced in third year as part of clinical sciences, and now continues through the first semester of fourth year.

Resource sessions on diseases of various organ systems constitute the didactic component. Case based material will be utilized for tutorials and practical classes. Veterinary Clinical Pathology is integrated into the course and assists in the diagnostic process by providing laboratory information, which may also be utilized in monitoring response to treatment. Laboratory data analysis will form the major part of lectures and tutorials. The unit of study is based on the study of dogs and cats with reference to other animal species as necessary.

Textbooks

Nelson RW, Couto CG. eds. *Small Animal Internal Medicine*. 2nd edn. Mosby, 1998.

VETS 4113 Veterinary Radiology

4 credit points. Dr G. S. Allan. Semester: 1. Classes: 4 hours per week available to cover various aspects of diagnostic imaging. Prerequisite: Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. Assessment: Formative assessment using Web CT. End of semester examination.

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 soft tissues will also be covered.

Textbooks

Thrall DE. *Textbook of Veterinary Diagnostic Radiology*. 4th edn. Philadelphia: WB Saunders Company, 2002.

VETS 4114 Veterinary Surgery

6 credit points. Dr Geraldine B. Hunt. **Semester: 1. Classes:** Classes: 37 lectures, 8x3 hours of practical classes. **Prerequisite:** Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. **Assessment:** Written and skills assessment.

Lectures, demonstrations and practical classes address 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. **Practical:** 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.

Textbooks

Brinker WO. et al. Handbook of Small Animal Orthopaedics and

Fracture Treatment, Saunders, 1990.

Fossum TW. Small Animal Surgery. St Louis: Mosby, 1997.

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

Piermattei DL, Greeley RG. An Atlas of Surgical Approaches to the Bones of the Dog and Cat. Saunders, 1979.

Semester 2**VETS 4221 Bird Health and Production**

4 credit points. Prof Gary Cross. **Semester: 1, 2. Classes:** 24 lectures and 60 hours of practical classes. **Prerequisite:** Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. **Assessment:** Written and practical examinations.

NB: In 2003, VETS 4221 will be taught to Year 4 in Semester 2 and to Year 1 in Semester 1.

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 by Faculty (lecture notes).

VETS 4222 Horse Medicine and Surgery

6 credit points. Prof David Hodgson. **Semester: 1,2. Classes:** 32 lectures and 60 hours of practical classes. **Prerequisite:** Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. **Assessment:** Written examination on equine surgery and medicine (80%), plus a practical examination on equine clinical examination and diagnosis (20%).

NB: In 2003, VETS 4222 will be taught to Year 4 in Semester 2 and to Year 5 in Semester 1.

Horse Medicine and Surgery is designed to provide a foundation whereby students become competent to deal with a horse or horses experiencing common medical or surgical problems. Much of the lecture course utilises problem-based learning. This approach is designed to augment skills developed in other disciplines including anatomy, pathology, microbiology and small animal medicine and surgery. The course is designed to assist the student in learning effective problem solving skills, determination of differential diagnoses and the judicious use of appropriate diagnostic aids when attempting to reach a diagnosis. Options and approaches to commonly used therapeutic measures are included also. Areas of emphasis in the course include lameness, respiratory diseases, abdominal pain (colic), weight loss, diseases of foals, ophthalmology, reproductive management, dermatology and various other aspects of equine surgery and internal medicine.

Practical: Practical classes are designed to assist the student to become familiar and confident in handling horses, performing a clinical examination, undertaking key diagnostic procedures, and in the reproductive management of horses. Aspects of equine anaesthesia will be provided by provision of practical classes in this discipline. A series of seminars/tutorials reviewing relevant aspects of the curriculum will also be provided.

Textbooks

Robinson NE. ed. Current Therapy in Equine Medicine 4. WB Saunders, 1997.

Smith BR ed. Large Animal Internal Medicine. Mosby Yearbook, 2001.

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

Rose RJ, Hodgson DR. Manual of Equine Practice. 2nd edn. WB Saunders, 2000.

Rose RJ, Hodgson DR. The Athletic Horse: Principles and Practice of Equine Sports Medicine. WB Saunders, 1994.

Blanchard TL, Vamer DD, Schumacher J. Manual of Equine Reproduction. WB Saunders, 1997.

VETS 4223 Pig Health and Production

4 credit points. Assoc Prof Robert Love. **Semester: 1,2. Classes:** 24 lectures and 60 hours of practical classes. **Prerequisite:** Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. **Assessment:** 2 hour examination and a practical examination (10%).

NB: In 2003, VETS 4223 will be taught to Year 4 in Semester 2 and to Year 5 in Semester 1.

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 AD. et al. Diseases of Swine. 8th edn. Iowa State University Press, 2000.

Produced by Faculty (lecture notes)

VETS 4224 Ruminant Health and Production

10 credit points. Assoc Prof Peter Windsor. **Semester: 1,2. Classes:** 48 lectures and 85 hours of practical classes. **Prerequisite:** Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. **Assessment:** By theory and practical examinations, to be advised.

NB: In 2003, VETS 4224 will be taught to Year 4 in Semester 2 and to Year 5 in Semester 1.

The course presents a package of integrated information to facilitate learning towards the understanding of diseases of ruminants and how they impact on farm animal production. The aim is for new graduates to:

- diagnose the common management and disease problems of ruminants;
- conduct detailed disease investigations of flocks and herds using epidemiological principles that can lead to constructive advice, facilitating animal production and welfare;
- readily obtain information from knowledge resources and provide assistance on farm health and production problems and issues;
- develop skills in animal handling, clinical examination, pregnancy diagnosis, specimen collection, use of diagnostic laboratories. Necropsy procedures are covered as well as medicine and surgery;
- apply their skills and knowledge to problem solving and the design of disease control and prevention programs.

Practical: Practical classes cover animal handling, restraint & clinical examination, the ruminant necropsy, internal & external parasites, reproduction, genetic resources & breeding. Technical skills are developed for milk, blood and faecal sampling for laboratories. Classes are given on pregnancy diagnosis, local anaesthesia and surgery.

Textbooks

Produced in department (lecture notes).

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

Year 5**Semester 1****VETS 4221 Bird Health and Production**

4 credit points. Prof Gary Cross. **Semester: 1, 2. Classes:** 24 lectures and 60 hours of practical classes. **Prerequisite:** Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. **Assessment:** Written and practical examinations. **NB:** In 2003, VETS 4221 will be taught to Year 4 in Semester 2 and to Year 5 in Semester 1.

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 by Faculty (lecture notes).

VETS 4222 Horse Medicine and Surgery

6 credit points. Prof David Hodgson. **Semester:** 1, 2. **Classes:** 32 lectures and 60 hours of practical classes. **Prerequisite:** Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. **Assessment:** Written examination on equine surgery and medicine (80%), plus a practical examination on equine clinical examination and diagnosis (20%).

NB: In 2003, VETS 4222 will be taught to Year 4 in Semester 2 and to Year 5 in Semester 1.

Horse Medicine and Surgery is designed to provide a foundation whereby students become competent to deal with a horse or horses experiencing common medical or surgical problems. Much of the lecture course utilises problem-based learning. This approach is designed to augment skills developed in other disciplines including anatomy, pathology, microbiology and small animal medicine and surgery. The course is designed to assist the student in learning effective problem solving skills, determination of differential diagnoses and the judicious use of appropriate diagnostic aids when attempting to reach a diagnosis. Options and approaches to commonly used therapeutic measures are included also. Areas of emphasis in the course include lameness, respiratory diseases, abdominal pain (colic), weight loss, diseases of foals, ophthalmology, reproductive management, dermatology and various other aspects of equine surgery and internal medicine.

Practical: Practical classes are designed to assist the student to become familiar and confident in handling horses, performing a clinical examination, undertaking key diagnostic procedures, and in the reproductive management of horses. Aspects of equine anaesthesia will be provided by provision of practical classes in this discipline. A series of seminars/tutorials reviewing relevant aspects of the curriculum will also be provided.

Textbooks

Robinson NE. ed. Current Therapy in Equine Medicine 4. WB Saunders, 1997.

Smith BP. ed. Large Animal Internal Medicine. Mosby Yearbook, 2001.
Radostits OM. et al. Veterinary Medicine. 9th edn. Bailliere Tindall, 2000.

Rose RJ, Hodgson DR. Manual of Equine Practice. 2nd edn. WB Saunders, 2000.

Rose RJ, Hodgson DR. The Athletic Horse: Principles and Practice of Equine Sports Medicine. WB Saunders, 1994.

Blanchard TL, Vamer DD, Schumacher J. Manual of Equine Reproduction. WB Saunders, 1997.

VETS 4223 Pig Health and Production

4 credit points. Assoc Prof Robert Love. **Semester:** 1, 2. **Classes:** 24 lectures and 60 hours of practical classes. **Prerequisite:** Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. **Assessment:** 2 hour examination and a practical examination (10%).

NB: In 2003, VETS 4223 will be taught to Year 4 in Semester 2 and to Year 5 in Semester 1.

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 AD. et al. Diseases of Swine. 8th edn. Iowa State University Press, 2000.

Produced by Faculty (lecture notes)

VETS 4224 Ruminant Health and Production

10 credit points. Assoc Prof Peter Windsor. **Semester:** 1, 2. **Classes:** 48 lectures and 85 hours of practical classes. **Prerequisite:** Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. **Assessment:** By theory and practical examinations, to be advised.

NB: In 2003, VETS 4224 will be taught to Year 4 in Semester 2 and to Year 5 in Semester 1.

The course presents a package of integrated information to facilitate learning towards the understanding of diseases of ruminants and how they impact on farm animal production. The aim is for new graduates to:

- diagnose the common management and disease problems of ruminants;
- conduct detailed disease investigations of flocks and herds using epidemiological principles that can lead to constructive advice, facilitating animal production and welfare;
- readily obtain information from knowledge resources and provide assistance on farm health and production problems and issues;
- develop skills in animal handling, clinical examination, pregnancy diagnosis, specimen collection, use of diagnostic laboratories. Necropsy procedures are covered as well as medicine and surgery;
- apply their skills and knowledge to problem solving and the design of disease control and prevention programs.

Practical: Practical classes cover animal handling, restraint & clinical examination, the ruminant necropsy, internal & external parasites, reproduction, genetic resources & breeding. Technical skills are developed for milk, blood and faecal sampling for laboratories. Classes are given on pregnancy diagnosis, local anaesthesia and surgery.

Textbooks

Produced in department (lecture notes).

Radostits OM. et al Veterinary Medicine. 9th edn. Bailliere Tindall, 2000
Semester 2

VETS 5004 Veterinary Public Health

3 credit points. Assoc Prof Garry Cross. **Semester:** 1. **Classes:** 48 lectures. **Prerequisite:** Veterinary Science Years 1-4. **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.

Textbooks

Andricsson EH. Meat Safety Quality and Veterinary Public Health in Australia. Port Adelaide: Penny Farthing Publishing Services, 1998.
Epidemiological Skills. Animal Health Proceedings No. 143. The University of Sydney: Postgraduate Committee in Veterinary Science, 1990.

Stevenson WJ, Hughes KL. Synopsis of Zoonoses in Australia. 2nd edn. Canberra: Australian Government Publishing Service, 1988.
Veterinary Surgeons Act, 1987.

Produced by Faculty (lecture notes).

VETS 5018 Special Medicine

1 credit point. Dr Robert Dixon. **Semester:** 2. **Classes:** Estimate - 25 lectures. **Prerequisite:** Veterinary Science Years 1 to 4. Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. **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 5321 Preparation for Veterinary Practice

2 credit points. Assoc Prof Robert Ratcliffe. **Semester:** 2. **Classes:** 18 hours structured sessions - lectures workshops practicals: plus 8 hours independent learning project. **Prerequisite:** Veterinary Science Years 1-4. Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. **Assessment:** Continuous self-assessment; competency tests on animal handling and computer skills; formal examination on legislation. Learning contract for ILP. Submission of a curriculum vitae.

This unit of study will prepare students for the extramural clinical rotations in the July Semester of 2003. Students will be instructed in aspects of practice management, client and staff communication, time management and distance learning resources (VEIN). The ILP project allows students to practise skills and demonstrate competencies in their own time.

Legislation pertaining to Veterinary Science (Stock Medicines, Poisons) as well as ethics and euthanasia will be covered. Instruction on the learning contracts to be negotiated for each clinical rotation is given.

Learning activities include group tasks, role plays, self completion tasks and skills checks.

Textbooks

A student Handbook is provided. No textbook is required.

VETS 5322 Mixed Rural Veterinary Prac Rotation 1

6 credit points. Assoc Prof Garry Cross. **Semester:** 2. **Classes:** Coordination by Extramural Clinical Supervisor and Faculty. **Prerequisite:** Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. **Assessment:** Continuous, practical and written.

This unit of study consists of a Rural Mixed Practice rotation (4 credit points) and a rotation in the Rural Veterinary Centre, Camden (2 credit points).

Whilst attending extramural rotations, students will be under the supervision of an extramural clinical supervisor, who will liaise with Faculty. The extramural clinical supervisor will review the aims of the rotation with the student, who will be expected to have achieved these by the end of the rotation. In a rural mixed practice rotation students are expected to complete clinical reports consisting of a Case Report, a Weekly Journal and a Referral Letter, and to provide Faculty with a Review of their Learning and Performance.

VETS 5323 Mixed Rural Veterinary Prac Rotation 2

6 credit points. Assoc Prof Garry Cross. **Semester:** 2. **Classes:** Coordination by Extramural Clinical Supervisor and Faculty. **Prerequisite:** Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. **Assessment:** Continuous, practical and written.

This unit of study consists of a choice of either a Rural lands Protection Board rotation OR an Elective rotation (each 4 credit points), plus a rotation in the Rural Veterinary Centre, Camden (2 credit points).

Whilst attending extramural rotations, students will be under the supervision of an extramural clinical supervisor, who will liaise with Faculty. The extramural clinical supervisor will review the aims of the rotation with the student, who will be expected to have achieved these by the end of the rotation. In a rural mixed practice rotation students are expected to complete clinical reports consisting of a Case Report, a Weekly Journal and a Referral Letter, and to provide Faculty with a Review of their Learning and Performance. In electives students are required to submit a learning contract for approval by the extramural clinical supervisor.

VETS 5324 Small Animal Veterinary Practice

6 credit points. Assoc Prof Gary Cross. **Semester:** 2. **Classes:** Coordination by Extramural Clinical Supervisor and Faculty. **Prerequisite:** Veterinary Science Years 1-4. Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. **Assessment:** Continuous, practical and written.

This unit of study consists of a Small Animal rotation in the University Veterinary Centre, Sydney (4 credit points) AND, an extramural rotation in a Small Animal Practice (2 credit points).

Whilst attending extramural rotations, students will be under the supervision of an extramural clinical supervisor, who will liaise with Faculty. The extramural clinical supervisor will review the aims of the rotation with the student, who will be expected to have achieved these by the end of the rotation.

■ Bachelor of Science (Veterinary)

VETS 4042 Veterinary Research A

24 credit points. Dr Glenn Shea. **Semester:** 1. **Classes:** No lectures or other classes. **Prerequisite:** Veterinary Science Years 1,2 and 3 or 1,2, 3 and 4. **Corequisite:** VETS 4043. **Assessment:** Thesis, oral presentation and oral examination.

NB: Permission required for enrolment.

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

VETS 4043 Veterinary Research B

24 credit points. Dr Glenn Shea. **Semester:** 2. **Classes:** No lectures or other classes. **Prerequisite:** VETS 4042 Veterinary Research A. **Assessment:** Thesis, oral presentation and oral examination.

NB: Permission required for enrolment.

This unit of study is a continuation of VETS 4042.

4 Table of units of study

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Semester
Bachelor of Veterinary Science							
■ Year 1							
Semester 1							
VETS 1006	Animal Husbandry 1A	5					
VETS 1013	Cell Biology 1A	4	A	See UAC Handbook.			
CHEM 1405	Chemistry	6	A	HSC Chemistry.			
VETS 1021	Professional Practice 1A	3					
VETS 1014	Veterinary Anatomy and Physiology 1A	6					
Semester 2							
VETS 1019	Animal Husbandry 1B	7					2
VETS 1018	Cell Biology 1B	6	A	VETS 1013 Cell Biology 1A.			2
VETS 1017	Professional Practice 1B	3	A	VETS 1021 Professional Practice 1A.			2
VETS 1020	Veterinary Anatomy and Physiology 1B	8					2
■ Year 2							
Semester 1							
VETS 2010	Animal Digestion and Nutrition	7	A	Veterinary Science Year 1.			1
VETS 2009	Genetics and Biometry	6	A	Veterinary Science Year 1.			1
VETS 2008	Professional Practice 2	4	A	VETS 1021 Professional Practice 1A and VETS 1017 Professional Practice 1B.			1
VETS 2011	Veterinary Anatomy and Physiology 2A	7	A	Veterinary Science Year 1.			1
Semester 2							
VETS 2012	Equine Anatomy	4	A	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.			2
VETS 2013	Principles of Disease	8	A	Veterinary Science Year 1 (Semesters 1 and 2) and Year 2 (Semester 1 only).			2
VETS 2016	Veterinary Anatomy and Physiology 2B	8	A	Veterinary Anatomy and Physiology 1A, 1B, 2A.			2
VETS 2015	Veterinary Conservation Biology	4					2
■ Year 3							
Semester 1							
VETS 3018	Animal Behaviour and Animal Welfare Sci	3	A	Veterinary Science Years 1-2.			
VETS 3019	Professional Practice 3A	2	A	Professional Practice 1A, 1B, 2.			
VETS 3035	Veterinary Microbiology	4	A	Veterinary Science Years 1-2.			
VETS 3037	Veterinary Parasitology	4	A	Veterinary Science Years 1 and 2.			
VETS 3011	Veterinary Pathology	7	A	Veterinary Science Years 1-2.			
VETS 3013	Veterinary Pharmacology and Toxicology	4	A	Veterinary Science Years 1-2.			
Semester 2							
VETS 3020	Animal Disease	11	A	Veterinary Science Years 1-2.			2
VETS 3036	Professional Practice 3B	2	A	Professional Practice 1A, 1B, 2, 3A.			2
VETS 3025	Public Health	4	A	Veterinary Science Years 1-2.			2

TABLE OF UNITS OF STUDY

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Semester
VETS 3027 Veterinary Clinical Sciences 3	7		P Veterinary Science Years 1-2 and February semester Year 3.				2
■ Year 4							
Semester 1							
VETS 4331 Animal Husbandry Practical Report	2	A	Veterinary Science Years 1-3.				
VETS 4111 Veterinary Anaesthesia	4	P	Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science.				
VETS 4112 Veterinary Medicine & Clinical Pathology	8	P	Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science.				
VETS 4113 Veterinary Radiology	4	P	Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science.				
VETS 4114 Veterinary Surgery	6	P	Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science.				
Semester 2							
VETS 4221 Bird Health and Production	4	P	Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. <i>NB: In 2003, VETS 4221 will be taught to Year 4 in Semester 2 and to Year 5 in Semester 1.</i>				1,2
VETS 4222 Horse Medicine and Surgery	6	P	Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. <i>NB: In 2003, VETS 4222 will be taught to Year 4 in Semester 2 and to Year 5 in Semester 1.</i>				1,2
VETS 4223 Pig Health and Production	4	P	Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. <i>NB: In 2003, VETS 4223 will be taught to Year 4 in Semester 2 and to Year 5 in Semester 1.</i>				1,2
VETS 4224 Ruminant Health and Production	10	P	Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. <i>NB: In 2003, VETS 4224 will be taught to Year 4 in Semester 2 and to Year 5 in Semester 1.</i>				1,2
■ Year 5							
Semester 1							
VETS 4221 Bird Health and Production	4	P	Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. <i>NB: In 2003, VETS 4221 will be taught to Year 4 in Semester 2 and to Year 5 in Semester 1.</i>				1,2
VETS 4222 Horse Medicine and Surgery	6	P	Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. <i>NB: In 2003, VETS 4222 will be taught to Year 4 in Semester 2 and to Year 5 in Semester 1.</i>				1,2
VETS 4223 Pig Health and Production	4	P	Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. <i>NB: In 2003, VETS 4223 will be taught to Year 4 in Semester 2 and to Year 5 in Semester 1.</i>				1,2
VETS 4224 Ruminant Health and Production	10	p	Veterinary Science Years 1-3 Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science. <i>NB: In 2003, VETS 4224 will be taught to Year 4 in Semester 2 and to Year 5 in Semester 1.</i>				1,2
Semester 2							
VETS 5004 Veterinary Public Health	3	P	Veterinary Science Years 1-4.				1
VETS 5018 Special Medicine	1	p	Veterinary Science Years 1 to 4. Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science.				2
VETS 5321 Preparation for Veterinary Practice	2'	P	Veterinary Science Years 1-4. Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science,				2
VETS 5322 Mixed Rural Veterinary Prac Rotation 1	6	P	Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science.				2
VETS 5323 Mixed Rural Veterinary Prac Rotation 2	6	P	Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science.				2
VETS 5324 Small Animal Veterinary Practice	6	P	Veterinary Science Years 1-4. Permit from Board of Veterinary Surgeons of NSW to perform acts of veterinary science.				2
Bachelor of Science (Veterinary)							
VETS 4042 Veterinary Research A	24	P	Veterinary Science Years 1,2 and 3 or 1, 2, 3 and 4. C VETS. 4043. <i>NB: Permission required for enrolment.</i>				1
VETS 4043 Veterinary Research B	24	p	VETS 4042 Veterinary Research A. <i>NB: Permission required for enrolment.</i>				2

5 Regulations

(Subject to Senate approval)

1. Constitution of the Faculty of Veterinary Science

The Faculty of Veterinary Science shall comprise the following persons:

- (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 within the Faculty;
- (b) the Heads of the School of Chemistry 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;
- (c) Deans of non-veterinary faculties in the College of Sciences and Technology;
- (d) the Directors of Laboratory Animal Services and the Properties and Investments Office and the Coordinator, Library Services (Life Sciences);
- (e) up to three persons distinguished in the field of Veterinary Science appointed by the Faculty on the nomination of the Dean of the Faculty;
- (f) up to three students (two undergraduates and one postgraduate) elected in the manner prescribed by resolution of the Senate;
- (g) up to four members of the general staff elected by the general staff in the manner laid down by the Faculty;
- (h) one nominee from each of the Australian College of Veterinary Scientists and the Australian Veterinary Association;
- (i) the Directors of the Postgraduate Foundation in Veterinary Science, the Dairy Research Foundation, the Poultry Research Foundation and the Veterinary Science Foundation;
- (j) the research staff of the Faculty, being full-time or fractional (50% or greater), holding the position of Research Fellow or above;
- (k) Senior Registrars and Registrars, being full-time or fractional (50% or greater) employed in the University Veterinary Centres at Camden and Sydney;
- (l) persons holding Adjunct or Clinical titles within the Faculty; and
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 (B VSc)
 - (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) Doctor of Philosophy (PhD)
 - (g) 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 Veterinary Science (GradDipVetSc).

■ Bachelor of Veterinary Science, BVSc

These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000, which sets out the requirements for all coursework courses and the relevant Faculty Resolutions.

- Candidates for the degree of Bachelor of Veterinary Science shall:
 - (a) complete successfully the units of study prescribed by the Faculty for a total of 240 credit points: and

(b) satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

- 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.
- 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.
- (1) Honours First Class and Honours Second Class 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 Honours First Class 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 X 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 with permission. 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. Year 5 Semester 2 units of study involving intra- and extramural rotations will not be included in the WAM calculation.

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 Honours Second Class, 70 per cent for Honours First Class, 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 B VSc 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) are supervised by a member of the Faculty.

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 potential supervisors and the

Sub-Dean for BSc(Vet) and should lodge an application for enrolment with the Faculty Office. It is necessary to have all the arrangements completed well before applying to enrol, preferably before the annual examinations for the B VSc. 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, and including an executive summary of five pages maximum as part of the thesis, should be lodged in the Faculty Office by a given date between late October and the end of November 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 Postgraduate Education and Research Training Committee. The fourth assessment process constitutes a viva voce examination. The panel for the 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 Postgraduate Education and Research Training 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 two examiners. The supervisor will be permitted to clarify technical issues and procedural issues relevant to the work conducted by the candidate. The supervisor will also contribute to the assessment of the viva voce examination.

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%, and 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.

Recent projects have included: 'Applied surgical anatomy: anatomical barriers; oncological surgery', 'EMC vaccine trial at Taronga and Western Plains Zoos', 'Feline endocrinology: Mechanisms of insulin resistance in cats', 'Impact of common wombat, *Vombatus ursinus*, on agricultural ecosystems', 'Measurement of salivary faecal and serum cortisol and oestradiol in 5 western lowland gorillas and 5 orangutans at Taronga Zoo'.

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 units of study: Veterinary Research VETS 4042 and VETS 4043.
2. 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.
3. Applications for admission to candidature for the degree of Bachelor of Science (Veterinary) may be approved by the Dean.
4. 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.
5. Assessment and examination for the award of the degree shall be by dissertation, including a five-page executive summary for additional examination, oral examination and presentation of seminars.
6. A candidature may be terminated at any time by the Dean if, in the opinion of the supervisor and the Associate Dean, Research, acting on advice from the Sub-dean for BSc(Vet), the candidate's work is unsatisfactory.

Resolutions of the Faculty

1. The responsibility for supervision of the procedures and implementation of policies concerned with the degree will lie with the Associate Dean for Research, and Sub-Dean for BSc(Vet), who will act and report to the Dean and, if requested, to the Faculty.
2. The minimum acceptable qualifications for the supervisor of a candidate for the degree is an appropriate higher degree.
3. In response to an application for candidature, the Sub-Dean for BSc(Vet) will, in consultation with the candidate, and the proposed supervisor, ensure that the Faculty's requirements are satisfied in respect of:
 - (a) eligibility of the candidate;
 - (b) the proposed field of study;
 - (c) prerequisite training;
 - (d) appropriate supervision;
 - (e) the adequacy of other resources; and
 - (f) the proposed date of examination.
4. Recommendations for approval of each candidature will be made by the Sub-Dean for BSc(Vet) through the Associate Dean, Research to the Dean in a report describing:
 - (a) the name of the candidate;
 - (b) the field of study;
 - (c) the nominated supervisor and, if applicable, the associate supervisor(s);
 - (d) where the work will be undertaken; and
 - (e) any special circumstances surrounding the candidature.
5. The Sub-Dean for BSc(Vet) will, in respect of all candidatures,
 - (a) maintain an overview of the examinations of all candidates;
 - (b) organise the implementation of the Faculty's policies on examination of candidates;
 - (c) maintain an overview of the standards achieved and the grades awarded in examinations; and
 - (d) report, to the Board of Examiners, the grades awarded to all candidates.
6. The assessment and examination procedures are defined as follows:
 - (a) Each candidate, in the presence of one or more members of the Postgraduate Education and Research Training Committee, shall give an introductory seminar which outlines the proposed program of study and research.
 - (b) Each candidate, in the presence of one or more members of the Postgraduate Education and Research Training 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.

(c) 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 late October or November, nominated by the Sub-Dean for BSc(Vet) and approved by the Associate Dean, Research. Late sub-mission will normally disqualify a candidate from consideration for Honours First Class 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.

(d) 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.

(e) The dissertation shall be examined by two examiners, neither of whom should normally be a supervisor of the candidate.

(f) The executive summary shall be examined by the Associate Dean, Research, Sub-Dean BSc(Vet), and other members of the Postgraduate Education and Research Training Committee. Each examiner will make an independent assessment and a combined mark from all examiners will constitute the mark for this written component of the degree.

(g) Each candidate shall be examined on the topic of the dissertation at a viva voce examination conducted by a panel including the Associate Dean, Research, Sub Dean for BSc(Vet), the principal supervisor of the candidate and 1 member of the Postgraduate Education and Research Training 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 thesis examiners. The supervisor will be permitted to 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.

(h) The thesis 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 Sub-Dean for BSc(Vet).

(i) 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.

7. 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.
8. If a grade is less than 50%, the degree will not be awarded.
9. 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.
10. 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

1. 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 (ii) 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, associate-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 with Permission' 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' 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 with Permission" 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, associate-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 with Permission' 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 with Permission'.

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 intranet.usyd.edu.au, approximately three to four 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 2002 Semester 1 study break will extend between Monday 17 June and Friday 21 June. The Semester 2 break will begin on Monday 11 November and continue through to Friday 15 November.

Notification of examination results

The results of annual examinations are available through the University Intranet by accessing the MyUni system 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 of the availability of a further test.

Further tests will be organised and scheduled by the unit of Study Coordinator 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, Carlaw 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:

- describe the nature of the student's illness;
- indicate the degree of incapacity of the student and its duration or probable duration;
- 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 Associate Dean, Teaching and Learning, 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 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.

6 Postgraduate information

The higher degrees in the Faculty of Veterinary Science are:

- GradDipVetClinStud - Graduate Diploma in Veterinary Clinical Studies
- GradDipVetClinSc - Graduate Diploma in Veterinary Science
- MScVetSc - Master of Science in Veterinary Science
- MVSc - Master of Veterinary Science
- MVetClinStud - Master of Veterinary Clinical 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 Postgraduate Coordinator 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, shall prescribe for not less than one year. Assessment is by satisfactory completion of course, practical work and examinations, as prescribed by the Faculty.

Graduate Diploma in Veterinary Science

The Diploma course will provide formal theoretical and practical instruction in veterinary medicine, veterinary surgery and veterinary public health concerned with companion and farm animals and veterinary aspects of animal production. The Diploma course may also include, according to individual needs, instruction in scientific methods and supervised study in supporting disciplines in veterinary anatomy, veterinary physiology, veterinary pathology, infectious diseases, pharmacology and toxicology, animal husbandry, nutrition, applied reproduction and genetics.

The prescribed practical experience will include up to 800 hours of clinical rotation in the Veterinary Teaching Hospital and the Rural Veterinary Centre. Additional practical training of up to 14 weeks will also be required including private veterinary practices, NSW Agriculture, Commonwealth Department of Primary Industry and Energy and relevant industries selected according to the needs of the individual.

Entry requires candidates to:

- be eligible to practise as a veterinarian in a country other than Australia and,
- have submitted evidence of general and professional qualifications and experience to satisfy the Faculty of Veterinary Science that the applicant possesses the educational preparation and capacity to pursue studies for the diploma, has the appropriate time available and meets any additional requirements for admission that may be prescribed by the Faculty of Veterinary Science.

Graduate Certificate in Applied Science -Wildlife Health and Population Management

Offered in conjunction with, and administered by, the Faculty of Science, phone (02) 9351 5397

Entry requires a Bachelor's degree in science or veterinary science. All prospective students must contact the program chairs - Dr Chris Dickman, (02) 9351 2318 and Associate Professor Tony English, (02) 9351 1675 - directly for detailed instructions concerning applications and advice about eligibility.

Graduate Diploma in Applied Science -Wildlife Health and Population Management

Offered in conjunction with, and administered by, the Faculty of Science, phone (02) 9351 5397

Entry requires a Bachelor's degree in science or veterinary science. All prospective students must contact the program chairs (see above) directly for detailed instructions concerning applications and advice about eligibility.

Master of Science in Veterinary Science

Persons holding a Bachelor's degree with honours first or second class 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 Applied Science -Wildlife Health and Population Management

Offered in conjunction with, and administered by, the Faculty of Science, phone (02) 9351 5397

Entry requires a Graduate Certificate in Applied Science (Wildlife Health and Population Management) or a bachelors degree in science or vet science. All prospective students must contact the program chairs (see above) directly for detailed instructions concerning.

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.

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

Faculty scholarships

These awards are similar to APAs but are funded by the Faculty. NB: Applicants for APAs are automatically considered for all available Faculty scholarships.

The table of scholarships listed below 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		As advertised	For research at Sydney Veterinary Teaching Hospital and Clinic in diseases of domestic animals
FH Loxton Postgraduate Studentships	equiv. to APA	As advertised	Graduates of any university for research in veterinary science
Sara & Anne Payten Canine Cancer Research Fund		As advertised	Postgraduate study and research. (Value as recommended by the Associate Dean, Research.)
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 (application through Research Office, www.usyd.edu.au/su/reschols/)</i>			
Australian Postgraduate Awards (APA)	17 609 pa (2002 rate)	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 (application through Research Office, www.usyd.edu.au/su/reschols/)</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
CG 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
JB 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	As advertised	Postgraduate candidature related to research in the wool industry
NPH Graham Scholarship	up to 500	As advertised	Postgraduate candidature related to research in sheep medicine
Goldia and Susie Lesue Scholarship	up to 3000	As advertised	Postgraduate candidature in the area of Veterinary Clinical Sciences
Neil and Allie Lesue Scholarship	up to 3000	As advertised	Postgraduate candidature in the area of Veterinary Clinical Sciences
Eric Horatio Maclean Scholarships	up to 1000	As advertised	Postgraduate candidature
Stock and Meat Industries Grant-in-Aid	up to 750	As advertised	Postgraduate candidature in research related to the Stock and Meat Industries
<i>(d) Other grants-in-aid open to Veterinary Science postgraduates (application through Research Office, www.usyd.edu.au/su/reschols/)</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 Irawang Travelling Scholarship	up to 1000	April	Postgraduate study or research overseas
GHS and IR Lightoller Scholarship	up to 1000	April	Postgraduate study or research overseas

7 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.

Advanced standing

The following policy applies when requesting advanced standing into the new curriculum:

- Students from equivalent degree programs be admitted to the Faculty of Veterinary Science with exemptions for completed equivalent units of study.
- Admissions be restricted by existing faculty quotas where the maximum enrolment in any unit of study is 120 students. Admissions would also need to comply with faculty sub-quotas (fees and HECS) and DETYA quotas on local fee paying students.
- Students be admitted to both Semester 1 and Semester 2.

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 JD 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 university 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, Teaching and Learning, after consultation with the unit of study 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 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 2003 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/su/io

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 per cent of classes 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. (See page ii in the front of this handbook.)

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

The University has a number of loan and bursary funds to assist students who experience financial difficulties. This assistance is not intended to provide ongoing income support but it help in emergencies and to supplement other income.

For information about student allowances provided by the Commonwealth Government go to www.centrelink.gov.au.

Financial Assistance Office
Level 7, Education Bldg. A35

Phone (02) 9351 2416

Fax (02) 9351 7055

Email fao@stuserv.usyd.edu.au

The Financial Assistance Office is located on Level 7 of the Education Building (A35). Our hours of business are Monday to Thursday, 10 am to 4 pm.

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)

phone (02) 9565 7300

St John's College (men and women),

Missenden Rd, Camperdown 2050 (Catholic)

phone (02) 9394 5200

St Paul's College (men),

City Rd, Newtown 2042 (Anglican)

phone (02) 9550 7444

Sancta Sophia College (women and postgraduate men),

Missenden Rd, Camperdown 2050 (Catholic)

phone (02) 9577 2100

Wesley College (men and women),

University Grounds, Newtown 2042 (Uniting)

phone (02) 9565 3333

Women's College (women and postgraduate men),

Carillon Ave, Newtown 2042 (Non-denominational)

phone (02) 9517 5000

Mandelbaum House (men and women),

385 Abercrombie Street, Darlingtown NSW 2008 (Jewish)

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

W.A. 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)

phone (02) 9660 4881

St Michael's College (men),

150 City Rd, Darlingtown 2008 (Catholic)

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 Veterinary Science Foundation Office on (02) 9351 4888.

■ Undergraduate scholarships and prizes

The table below is a summary only. For further information contact the Scholarships Unit on (02) 9351 2717.

Scholarship/prize	Value \$	Qualifications
<i>Prizes</i>		
Australian College of Veterinary Scientists (Chapter of Veterinary Pharmacology)	Testamur & medallion	Proficiency in Veterinary Pharmacology and Toxicology
Australian College of Veterinary Scientists (Epidemiology Chapter)	Plaque	Proficiency in Veterinary Epidemiology
Australian Small Animal Veterinary Association	300 + medal + 2 yr mem'ship	Proficiency in small animal medicine and surgery
Australian Society for Parasitology	400	Proficiency in Veterinary Parasitology 3
Auxiliary to the Australian Veterinary Association (NSW Division)	80	Proficiency in Cell Biology, Veterinary Anatomy and Physiology I & II
Australian Veterinary Association	200	Proficiency in Veterinary Pathology
Australian Veterinary Association	Certificate + 2yr• subscription	Student Award by recommendation of the Dean
Australian Veterinarians in Public Health	150 +certificate	For Excellence in Veterinary Public Health Studies
Auxiliary to the Australian Veterinary Association (NSW Division) Prize in Clinical Pathology	100	Proficiency in 4th Year Veterinary Medicine & Clinical Pathology
Auxiliary to the Australian Veterinary Association (NSW Division) Prize for Third Year students	100	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	100	Proficiency in Animal Genetics
Baker & Ridley Memorial	150	Proficiency in 4th Year Animal Husbandry Practical Report
HG Belschner	100	Proficiency in 1st Year in sheep and wool
Rex Butterfield Prize in Veterinary Anatomy	50	Proficiency in 2nd Year in Veterinary Anatomy
HR Carne Prize and Medal	250 + medal	Proficiency in the examinations for the degree of Bachelor of Science (Veterinary)
Cooper Australia Ltd	225	Proficiency in Veterinary Parasitology 3
Graham Edgar Scholarship	1,000	Proficiency in BSc(Vet) Student Essay
CW Emmens Prize in Veterinary Physiology	100	Highest aggregate marks in 1st and 2nd Year Veterinary Anatomy and Physiology in sequential years Physiology in sequential years
Farr Memorial	50	Proficiency in 1st Year in horse husbandry
RW Gee Animal Welfare	2,000	Proficiency in 3rd Year subjects relating to Animal Welfare & Project Report
NPH Graham	200	Proficiency in the sheep component of Ruminant Health & Production
John Gurner and Frederick Ebsworth	350x3	Proficiency in 1st Year in Chemistry, Cell Biology 1A & 1B
Robert Reeves Hodgekiss Prize	250	Proficiency in Horse Medicine & Surgery in 5th Year
KG Johnston	150	Proficiency in Veterinary Clinical Pathology
Lonsdale	400, 200	Proficiency in 4th year in Clinical Studies
Mayne Health Vetnostics	500	Proficiency in Veterinary Clinical Pathology.
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
Virginia Osborne	250	Proficiency in 2nd Year in anatomy of the horse
Richard Norman Sanders	600	Proficiency in 3rd or 4th Year Clinical Studies.
WR Sidman Memorial Prize	2 yr mem'ship	Proficiency in 4th Year in clinical studies. Awarded by NSW Division of Australian Veterinary Association
Beri Sinkovic	200	Proficiency in poultry medicine
Stewart	180	Proficiency in 4th Year in veterinary medicine
JD Stewart	60	Not awarded in 2003
STD Symons	600	Proficiency in final year in clinical studies
WIRES Wildlife	250	Proficiency in Veterinary Conservation Biology in 2nd Year
Scholarships and bursaries Contact the Undergraduate Scholarships unit on (02) 9351 2717		
Alexander Donald Scholarship	450 x 3 yrs	Sydney Grammar School student. General proficiency at HSC
Dr J Lamond Memorial	Bursaries	Financial need and academic merit
Martin McIlrath Scholarship for Undergraduates	Up to 3000	General proficiency at HSC or examination proficiency for higher years; for ex-servicemen and their male descendents; women are eligible if current or ex-members of armed forces

■ 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, totaling 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 the Faculty of Veterinary Science and the Department of Agronomy of the Faculty of Agriculture. The Faculty of Veterinary Science is based in the J.L. Shute Building on Werombi Road. There are several major teaching and research units on nearby areas of the Corstorphine Centre. The Faculty 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 Faculty of Veterinary Sciences. It is a mixed veterinary practice, providing services to the district. The Faculty 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 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. A new dairy is being constructed at Corstorphine in the near future. The farms also carry about 2000 sheep, 30 horses, 30 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 at Camden. Corstorphine is also the site of Faculty of Veterinary Sciences and Agronomy, which occupy the University Veterinary Centre, Camden, the Shute Building, the Breakwell Building, the Poultry Research Centre, the M.C. Franklin Research Centre and the Dairy Research Unit. Further large animal research and teaching facilities are provided 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 Faculty of Veterinary Sciences. 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 Faculty of Veterinary Clinical Science, in addition to offering a veterinary service for the district, provides clinical training for senior 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 2003 the fourth year students will spend the second semester at Camden under the new curriculum, with this group then being the first to undertake the new lecture-free final year in 2004.

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

Corstorphine is also used for teaching and research in veterinary conservation biology.

To reach Corstorphine from Sydney, take Camden Valley Way (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, Faculty of Veterinary Science (Camden) (02) 9351 1611
- 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 \$180 (2002 rate) per week.

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, Faculty of Veterinary Science (Camden),

425 Werombi Road (Private Mail Bag 3), Camden 2570, phone (02) 9351 1611, fax (02) 9351 1618.

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.

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 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 B VSc 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.

With 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 (CSIRO) 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 a single department. 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 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 innovation, 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 units of study. 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 extramural veterinary support practices, and problems and scenarios in veterinary science are studied from Year 1. Examples of issues covered include aspects of animal welfare, client communication, grief management, and legislative concerns in veterinary science.
- units in Bacteriology and Virology have been replaced by units in Veterinary Microbiology. The new units emphasise an integrated approach to cases and problems in animal disease.
- A new unit in Animal Behaviour and Animal 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 have sound information 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, where students have the opportunity to pursue an area of interest in the Faculty or externally.

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. At the end of this year, students will be able to gain provisional registration with NSW Veterinary Surgeons Board to work as veterinarians in practice under supervision. The final year will 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 in both city and rural environments. 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 also will 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 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.

8 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, A3 5

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 3312

Fax: (02) 9351 8262

Email: accomm@stuserv.usyd.edu.au

Web: www.usyd.edu.au/accomm

Admissions Office

The Admissions Office (see address below) is responsible for overseeing the distribution of offers of undergraduate admission and can advise prospective local undergraduate students regarding admission requirements. Postgraduate students should contact the appropriate faculty. If you are an Australian citizen or a permanent resident but have qualifications from a non-Australian institution, phone (02) 9351 4118 for more information. For enquiries regarding Special Admissions (including Mature-Age Entry), phone (02) 9351 3615. 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) students must lodge an application form with the Universities Admissions Centre (UAC) by the last working day of September of the year before enrolment. Note that some faculties, such as Pharmacy, the Sydney Conservatorium of Music and Sydney College of the Arts, have additional application procedures.

Assessment

For matters regarding assessment, refer to the relevant department or school.

Careers information

Provides careers information and advice, and help in finding course-related employment both while you're studying and when you commence your career.

Careers Centre

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

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) 9351 8714

Fax: (02) 9351 8717

Email: ces@stuserv.usyd.edu.au

Web: www.usyd.edu.au/cas_emp

Centre for Continuing Education

Bridging courses, study skills courses, essay writing courses, accounting extension courses, university preparation courses, access to university courses, non-award short courses.

Mackie Building, KO 1

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

Centre for English Teaching

The Centre for English Teaching (CET) offers a range of English language courses including Academic English, General & Business English and IELTS preparation. CET programs help international students to reach the required English language levels for entry to degrees at the University. Students have the opportunity to take the CET university direct entry test at the completion of their language programs.

Level 2, Building F, 88 Mallett St

University of Sydney (M02)

NSW 2006 Australia

Phone: (02) 9351 0706

Fax: (02) 9351 0710

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

Email: childc@stuserv.usyd.edu.au

Web: www.usyd.edu.au/childcare

The Co-op Bookshop

As well as providing textbooks for all courses, the Co-op stocks a wide range of supplementary material including recommended readings, course notes, study aids, reference titles, general fiction, non fiction, academic and professional titles. Co-op members receive up to 15% discount and the shop stocks software at up to 70% off for students and academics. The Co-op is located in the Sydney University Sports and Aquatic Centre.

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. Counselling presents an opportunity to: gain greater self awareness; learn to cope more efficiently with the problem at hand; discuss any work related, social or personal issues that cause concern; explore options with professionally trained staff. In addition, workshops are offered each semester on topics such as stress management, relaxation, exam anxiety, communication skills and others.

Level 7, Education Building, A35

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 2228

Fax: (02) 9351 7055

Email: counsell@mail.usyd.edu.au

Web: www.usyd.edu.au/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 7040
Fax: (02) 9351 3320
TTY: (02) 9351 3412
Email: disserv@stuserv.usyd.edu.au
Web: www.usyd.edu.au/disability

Enrolment and pre-enrolment

Students entering first year

Details of the enrolment procedures will be sent with the 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 the enrolment day, you pay the compulsory fees for joining the Student Union, the Students' Representative Council and sporting bodies and nominate your preferred 'up front' or deferred payment for your Higher Contribution Scheme (HECS) liability. You also choose your first-year units of study, so it's important to consult the Handbook before enrolling.

All other students

A pre-enrolment package is sent to all enrolled students in late September, and contains instructions on the procedure for pre-enrolment.

Examinations

The Examinations and Exclusions Office (see address below) looks after the majority of exam papers, timetables and exclusions. Some faculties, such as the Sydney Conservatorium of Music, make all examination arrangements for the units of study that they offer.

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 4006
Fax: (02) 9351 7330
Email: exams.office@exams.usyd.edu.au

Fees

For information on how to pay, where to pay, and if payments have been received.

Fees Office
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
Email: fao@stuserv.usyd.edu.au
Web: www.usyd.edu.au/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;
- enables a member of the public to obtain access to documents held by the University;
- enables 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.

(Note that a 'member of the public' includes staff and students of the University)

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

While application may be made for access to access University documents, some may not be released in accordance with particular exemptions provided by the Act. There are review and appeal mechanisms which apply when access has been refused.

The University is required to report to the public on its FOI activities on a regular basis. The two reports produced 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 the University's policy documents and provides information regarding how to make application for access to University documents.

Further information, and copies of the current reports may be found at www.usyd.edu.au/arms/foi.

Graduations Office

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

Student Centre
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

(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

Student Centre
Ground Floor, Carlaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 5659, (02) 9351 5062, (02) 9351 2086
Fax: (02) 9351 5081

Information Technology Services (ITS)

Information Technology Services oversees the University's computing infrastructure. Students can contact ITS either through the ITS Helpdesk (helpdesk.usyd.edu.au), located in the University Computer Centre (Building H08), or through the

GENERAL UNIVERSITY INFORMATION

University Access Labs (www.usyd.edu.au/su/is/labs/). The access labs on main campus are located in:

- Fisher Library, Level 2
- Carlaw, Room 201
- Education, Room 232
- The Link Building, Room 222
- Pharmacy, Room 510

Other labs are available at the Law, Orange, Westmead and Cumberland campuses.

The labs allow students free access to computers, including office and desktop publishing software and storage, at-cost Internet access, printing facilities and the opportunity to host their own web site.

Each student is supplied with an account, called a 'Unikey' or 'extro' account, which allows access to a number of services including:

- Free e-mail (www-mail.usyd.edu.au);
- Access to the internet both from home and from the access labs (helpdesk.usyd.edu.au/services.html);
- Online course material (groucho.ucc.usyd.edu.au:9000/webct/public/home.pl);
- Student facilities via the intranet (www.intranet.usyd.edu.au), including exam results and seating, student timetables and bulletin boards; and
- Free courses in Microsoft Word and Excel, Photoshop, Internet use and HTML.

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 orientation and assistance with finding accommodation for new arrivals and psychological counselling and welfare advice for international students and their families. 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/io

International Student Services Unit

Phone: (02) 9351 4749

Fax: (02) 9351 6818

Email: info@issu.usyd.edu.au

Web: www.usyd.edu.au/issu

Study Abroad and Exchange Unit

Study Abroad

Phone: (02) 9351 5841

Fax: (02) 9351 2795

Email: studyabroad@io.usyd.edu.au

Web: www.usyd.edu.au/io/studyabroad

Exchange

Phone: (02) 9351 5843

Fax: (02) 9351 2795

Email: exchange@io.usyd.edu.au

Web: www.usyd.edu.au/io/exchange

Intranet

The University is continually increasing the amount of information and services it provides through the web. This can be seen in the University's intranet, called USYDnet. Here, students and staff can find information on everything, from University policies, through to courses and Units of Study. As well as delivering this information, USYDnet provides interactive services such as a calendar of events, where students and staff can enter events and publish them on the web, access to a single point of email, the ability to search for housing and casual jobs, and other student/staff specific information.

MyUni is the personalised section of USYDnet. All staff and students are provided with access to MyUni through a login name and password. MyUni enables them to receive delivery of

personal information such as exam results, enrolment variations and seat numbers. MyUni is a portal from which students and staff can complete tasks that were previously only able to be done in person, offline.

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

Provides self-access course materials in over 140 languages. Beginners and intermediate courses in Modern Spanish, Modern Russian, Modern Welsh, Modern Irish, Modern Portuguese languages and cultures; Diploma Course in Modern Language Teaching.

Level 2, Christopher Brennan Building, A18

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 2371

Fax: (02) 9351 3626

Email: language.enquiries@language.usyd.edu.au

Web: www.arts.usyd.edu.au/Arts/departs/langcent/home.html

Learning Centre

The Learning Centre assists students to develop the generic learning and communication skills which are necessary for university study and beyond. The Centre is committed to helping students to achieve their academic potential throughout their undergraduate and postgraduate studies. The Centre's program includes a wide range of workshops on study skills, academic reading and writing, oral communication skills and postgraduate writing and research skills. Other services the Centre provides are an Individual Learning Program (ILP), a special program for international students, Faculty-based workshops, computer-based learning resources, publications of learning resources and library facilities.

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.au

Web: www.usyd.edu.au/lc

Library

Students are welcome to use any of the 20 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 Web page (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.

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, Werombi Rd, Camden, C15
Phone: (02) 93511627
Fax: (02) 4655 6719
Email: camden@library.usyd.edu.au

Chemistry Library

From December 2002, merged with the Geosciences Library in the Madsen Building

Curriculum Resources Library

Relocated to Fisher Library, Floor 1
Phone: (02) 9351 6254
Fax: (02) 9351 7766
Email: curriculum@library.usyd.edu.au

Dentistry Library

United Dental Hospital, C12
2 Chalmers St, Surry Hills
Phone: (02) 9351 8331
Fax: 9212 5149
Email: dentistry@library.usyd.edu.au

Engineering Library

PN 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 4328
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: library@fhs.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@hbrary.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 5593
Fax: (02) 6360 5637
Email: lib@orange.usyd.edu.au

Physics Library

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

Schaeffer Fine Arts Library

Mills Building, A26
Phone: (02) 9351 2148
Fax: (02) 9351 7624
Email: john.spencer@arthist.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

Macquarie St (opposite Bridge St), Sydney, C41
Phone: (02) 9351 1316
Fax: (02) 9351 1372
Email: library@comusic.usyd.edu.au

Mathematics Learning Centre

The Mathematics Learning Centre assists students to develop the mathematical knowledge, skills and confidence that are needed for studying mathematics or statistics at university. The Centre runs bridging courses in mathematics at the beginning of the academic year (fees apply). The Centre also provides on-going support during the year through individual assistance and small group tutorials to eligible students.

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/mlc

Part-time, full-time

Students are normally considered as full-time if they have a HECS 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 are the twelve Information Protection Principles (IPPs) which regulate the collection, management, use and disclosure of personal information. The University has developed a Privacy Management Plan which includes the University Privacy Policy. The Privacy Management Plan sets out the IPPs and how they apply to functions and activities carried out by the University. Both the Plan and the new University Privacy Policy were endorsed by the Vice-Chancellor on 28 June 2000.

Further information and a copy of the Plan may be found at www.usyd.edu.au/arms/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
Anne Picot: (02) 9351 7262
Email: foi@mail.usyd.edu.au

Scholarships for Undergraduates

Scholarships Unit, Room 147
Ground Floor, Mackie Building, KO1
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2717
Fax: (02) 9351 5134
Email: scholarships@careers.usyd.edu.au
Web: www.usyd.edu.au/study/scholarships.shtml

Student Centre

Ground Floor, Carslaw Building, F07
 The University of Sydney
 NSW 2006 Australia
 Phone: (02) 9351 3023 General Enquiries
 (02) 9351 4109 Academic Records
 (02) 9351 3023 Discontinuation of Enrolment
 (02) 9351 5057 Handbooks
 (02) 9351 5060 Prizes
 Fax: (02) 9351 5081, (02) 9351 5350 Academic Records

Student identity cards

The student identity card functions as a library borrowing card, a transport concession card, when suitably endorsed, and a general identity card for a range of purposes within the University. The card must be carried at all times on the grounds of the University and must be shown on demand. Students are required to provide a passport-sized colour photograph incorporating head and shoulders only for lamination to this card. Free lamination is provided at a range of sites throughout the University during the January/February enrolment/pre-enrolment period. Cards which are not laminated or do not include a photograph will not be accepted. New identity cards are required for each year of a student enrolment.

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 well being 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, Counselling Service, Disability Services, Financial Assistance Office, Learning Centre, Mathematics Learning Centre. The Web site is at www.usyd.edu.au/stuserv.

The Sydney Summer School

Most faculties at the University offer units of study from degree programs during January/February. As the University uses all of its HECS quota in first and second semester, these units are full fee-paying for both local and international students and enrolment is entirely voluntary. However, Summer School units enable students to accelerate their degree progress, make up for a failed unit or fit in a unit which otherwise would not suit their timetables. New students may also gain a head start by completing requisite subjects before they commence their degrees. Units start on 6 January and run for up to six weeks (followed by an examination week). Notice of the units available is contained in the various faculty handbooks, on the summer school website (www.summer.usyd.edu.au) and is usually circulated to students with their results notices.

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.

University Health Service

Provides full general practitioner services and emergency medical care to the University community.

Email: director@unihealth.usyd.edu.au

Web: www.unihealth.usyd.edu.au

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)

Science Rd Entry, Holme Building, A09
 The University of Sydney
 NSW 2006 Australia
 Phone: (02) 9351 4095
 Fax: (02) 9351 4338

■ 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) 9351 1291 Pitt St-Conservatorium
 Fax: (02) 9660 4260

Email: postmaster@src.usyd.edu.au

Sydney University Sports Union

Services, facilities and clubs for sport, recreation and fitness.

Noel Martin Sports and Aquatic Centre, G09

The University of Sydney
 NSW 2006 Australia
 Phone: (02) 9351 4960
 Fax: (02) 9351 4962

Email: sports_union@susu.usyd.edu.au

University of Sydney Union

Main provider of catering facilities, retail services, welfare programs, and social and cultural events for the University community on the Camperdown and Darlington campuses, and at many of the University's affiliated campuses.

University of Sydney Union

Box 500, Holme Building, A09

The University of Sydney
 NSW 2006 Australia
 Phone: (02) 9563 6000 Switchboard/Enquiries
 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.

The Arena Sports Centre, A30

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 8111

Fax: (02) 9660 0921

Email: secretary@suwsa.usyd.edu.au

Web: www.suwsa.usyd.edu.au

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 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 Semester 1 through to the completion of the processing of results at the end of Semester 2. (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 transcript: 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 (e.g. 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 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 (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 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 Semester 1, but there may also be an admission period for mid-

year applicants before the beginning of Semester 2 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 (e.g. 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 (e.g. 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.

ARTS

Automated Results Transfer System. This system was developed on behalf of ACTAC (Australasian Conference of Tertiary Admissions Centres) to allow the electronic academic record of a student to be accessible, via an admission centre, between tertiary institutions.

Assessment

The process of measuring the performance of students in units of study and courses. The assessment of performance in a unit of study 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

A DETYA classification defining the manner in which a student is undertaking a course, i.e. internal, external, mixed or offshore.

Attendance pattern/type

Refers to whether the student is studying part-time or full-time. For coursework students this is a function of course load, i.e. 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. 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 half year. 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.

AUSCHECK

AUSCHECK is the software provided by Centrelink to validate data prior to reporting to Centrelink.

AUSTUDY

Replaced by Youth Allowance. (See also *Youth Allowance*.)

Award course

An award course is a formally approved program of study that can lead to an academic award granted by the University. An award course requires the completion of a program of study specified by course rules. (See also *Course rules*.) Award courses are approved by Senate, on the recommendation of the Academic Board. Students normally apply to transfer between Award courses through the UAC. The award course name will appear on testamurs. The University broadly classifies courses as undergraduate, postgraduate coursework or postgraduate research. The award courses offered by the University are:

- Higher doctorates
- Doctor of philosophy (PhD)
- Doctorates by research and advanced coursework
- Master's degree by research
- Master's degree by coursework
- Graduate diploma
- Graduate certificate
- Bachelor's degree
- Advanced diplomas
- Diplomas
- Certificates

(See also *Bachelor's degree*, *Course rules*, *Diploma*, *Doctorate*, *Major*, *Master's degree*, *Minor*, *PhD*, *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 chair 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 (Institute for International Health, Institute of Transport Studies),

Camperdown and Darlington (formerly known as 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.

Centre for Continuing Education

The Centre for Continuing Education develops and conducts courses, conferences and study tours for the general public and professional groups. The Centre offers approximately 1,000 courses for approximately 20,000 students each year. Most of these courses are held over one of the four main sessions that are conducted each year, though the Centre is offering an increasing number of ad hoc courses in response to increased competition and changing demands. The Centre operates on a cost recovery/income generation basis. (See also *Continuing professional education*.)

Centrelink

Centrelink is the agency responsible for providing information and assistance on a range of Commonwealth Government programs including Youth Allowance. (See also *Youth Allowance*.)

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.

Comp subs

See *Compulsory subscriptions*.

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 Camperdown/Darlington campus (formerly known as Main Campus), compulsory submissions depend on the level of study.

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

Postgraduate: the University of Sydney Union and the Sydney University Postgraduate Representative Association (SUPRA).

Student organisations at other campuses include: the Conservatorium Student Association, the Cumberland Student Guild, the Orange Agricultural College Student Association and the Student Association of Sydney College of the Arts.

(See also *Compulsory subscription rates, Compulsory subscription waiver provision, Joining fee, Life membership.*)

Confirmation of Enrolment form

A Confirmation of Enrolment form is issued to students after enrolment showing the course and the units of study they are enrolled in, together with the credit point value of the units of study 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 advisor, the advisor information is also shown.

Continuing professional education

The continuing professional education process provides a number of programs of continuing education courses for professionals as they move through their career. These programs are presently administered by the Centre for Continuing Education and a number of departments and Foundations across the University. This process supports the whole of life learning concept and requires/promotes the maintenance of a long term relationship between the student and the University. It is envisaged that the importance of this mode of education will increase in the future. (See also *Centre for Continuing Education.*)

Convocation

Convocation is the body comprising all graduates of the University.

Core unit of study

A unit of study that is compulsory for the course or subject area. (See also *Unit of study.*)

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

An award course or non-award course undertaken at the University of Sydney. (See also *Award course, Non-award course.*)

Course alias

Each course in FlexSIS is identified by a unique five-digit alphanumeric 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. The term 'suspension of candidature' was previously used to describe research 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; e.g. 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; e.g. 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. (See also *Award course.*)

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 (e.g. 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 units of study 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

The recognition of previous studies successfully completed at this or another recognised (by the University of Sydney) university or tertiary institution as contributing to the requirements for the award of the course in which the applicant requesting such recognition has been admitted.

Where the University agrees to recognise successfully completed previous studies, their contribution to the requirements for the award of the course, in which the applicant has been admitted, will be expressed as specific or non-specific credit.

Credit awarded to a credit applicant - whether specific or non-specific - will be recorded with a mark and grade of 50 pass, unless in individual cases the credit is assessed by the faculty as having a mark and grade greater than 50 pass. This equivalent mark and grade will be used for the purposes of calculating a student's weighted average mark and for the purposes of satisfying prerequisite rules where a level of passing grade is specified.

(See also *Precedents, Specific credit, Non-specific credit, Waiver, Weighted average mark (WAM).*)

Creditpoints

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 unit of study is being undertaken. Students pay compulsory subscriptions to one university only (usually their home university, i.e. the university which will award their degree). (See also *Non-award course, Enrolment non-award.*)

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)

Deadlines (fees) See *Enrolment variations*.

The University has deadlines for the payment of fees (e.g. 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 dean's certificates. In faculties that do, qualified students have 'dean's certificate' noted on their academic record.

Deferment

See *Admission (deferment)*, *Leave*.

Degree

(See also *Award course*, *Bachelor's degree*.)

Delivery mode

Indicates the mode of delivery of the instruction for a unit of study, e.g. normal (i.e. by attending classes at a campus of the University), distance (i.e. remotely by correspondence or other distance means, e.g. Web delivery). The delivery mode must be recorded for each unit as distinct from the attendance mode of the student, i.e. an internal student may take one or more units by distance mode and an external student may attend campus for one or more units.

Department

For the purposes of FlexSIS, a department is the academic unit, which is responsible for teaching and examining a unit of study. It may be called a school, a department, a centre or a unit within the University.

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.

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 study available at the university (e.g. CHEM Chemistry, ECON Economics).

Discipline group

A DETYA code used to classify units of study 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.

Distance and flexible learning

Distance and flexible learning affords the opportunity to provide higher education to a much wider market - including students from anywhere in the world - at times, locations and modes that suit them.

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 study. 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 (e.g., 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. Non-award enrolments are recorded in various categories used for reporting and administrative purposes. (See also *Cross-institutional enrolment*, *Non-award course*.)

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 the University of Sydney 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.

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 University Calendar.

(See also *Senate appeals*.)

Extended semesters

Distance learning students may be allowed more time to complete a module/program if circumstances are beyond the student's control, e.g. drought, flood or illness, affect the student's ability to complete the module/program in the specified time.

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 units of study attempted within each course together with the result (but not any unit of study 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 unit of study 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 2001 University Calendar, pp.140-141). 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'.

Flexible learning

See *Distance* and *Flexible learning*.

Flexible start date

Full fee-paying distance students should not be restricted to the same enrolment time frames as campus-based or HECS students.

FlexSIS

FlexSIS is the computer-based Flexible Student Information System at the University of Sydney. Electronically FlexSIS holds details of courses and units of study 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:

Semester 1: 31 March

Semester 2: 31 August.

HECS code

A code used by DETYA to identify the HECS status of a student (e.g. 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 II, Class III) 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 units of study attempted within each course together with the unit of study 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 (e.g. 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 units of study 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. Majors may be included on testamurs. (See also *Award course*, *Minor*, *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 unit of study. (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. Minors may be included on testamurs.

(See also *Award course*, *Major*, *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.

Mixed mode

See *Attendance mode*.

Mode

See *Attendance mode* and *Delivery mode*.

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 pre-enrolment and enrolment variations on MyUni.

(See also *UsydNet*.)

Non-award course

Non-award courses are courses undertaken by students who are not seeking an award from the University. These may be students enrolled in an award course at another institution or students not seeking an award from any institution. Non-award courses are assigned a course code in the same way as award courses. A separate course code is assigned for each faculty, level (undergraduate or postgraduate) and method (research or coursework) which offers a non-award course. Various categories of non-award enrolment are recorded on FlexSIS for reporting and administrative purposes. (See also *Course*, *Cross-institutional enrolment*, *Enrolment non-award*.)

Non-award enrolment

See *Enrolment non-award*.

Non-specific credit

Non-specific credit is awarded when previous studies are deemed to have satisfied defined components of a course other than named units of study. These components include, but are not limited to:

- entire years in courses that progress through the successful completion of a set of prescribed units of study per year
- a set number of credit points within a particular discipline or level (i.e. first, second or third year)
- one or more semesters for research courses.

(See also *Credit*, *Specific credit*.)

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 (e.g. 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*.)

Precedents

Where a credit applicant has credit approved in terms of the granting of specific or non-specific credit on the basis of study previously taken, a precedent is established at system level. Any other credit applicant subsequently seeking credit on the basis of the same pattern of previous study will be eligible to have the item of credit to be immediately approved on the basis of the previously approved precedent.

(See also *Credit*)

Pre-enrolment

Pre-enrolment takes place in October for the following year. Students indicate their choice of unit of study enrolment for the following year. After results are approved, registered students are regarded as enrolled in those units of study 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 unit of study 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*.

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 units of study 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 unit of study.
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 - e.g., '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 of 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 (i.e. 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.

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 units of study. Departments tabulate results for all assessment activities of a unit of study and assign preliminary results for each unit of study. 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 units of study. (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:

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 (e.g. 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 a session whose dates are determined by the Academic Board. Normally all undergraduate sessions will conform to the semesters approved by the Academic Board. Any offering of an undergraduate unit not conforming to the semester dates must be given special permission by the Academic Board.

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, i.e. 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 teaching period that defines the offering of a unit of study. A session cannot be longer than six months. Session offerings are approved by the relevant dean, taking into account all the necessary resources, including teaching space and staffing. 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*.

Specific credit

Specific credit is awarded when previous studies are entirely equivalent to one or more named units of study offered by the University of Sydney that contribute to the course in which the applicant has been admitted. (See also *Credit*, *Non-specific credit*.)

Sponsorship

Sponsorship is the financial support of a student by a company or government body. Sponsors are frequently invoiced directly.

SRS

SRS is the student record system responsible, prior to FlexSIS, for the processing of student records. The functions of SRS are gradually being incorporated into FlexSIS. (See also *FlexSIS*.)

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 within an award course, which requires the completion of a program of study specified by the course rules for the particular stream, in addition to the core program specified by the course rules for the award course.

Students enrolled in award courses that involve streams will have the stream recorded in their enrolment record. Students normally enter streams at the time of admission, although some award courses require students to enrol in streams after the completion of level 1000 units of study. Where permitted to do so by faculty resolution, students may transfer from one stream to another, within an award course, provided they meet criteria approved by the Academic Board on the advice of the faculty concerned. A stream will appear with the award course name on testamurs, e.g. Bachelor of Engineering in Civil Engineering (Construction Management). (See also *Award course*, *Major*, *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 9-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 take units of study at the University of Sydney, but not towards an award program. In most cases the units of study taken 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, e.g. the unit of study 'History of Momoyama and Edo Art' may count towards the requirements for the subject areas 'Art History and Theory' and 'Asian Studies'.

Summer School

See *Sydney Summer School*.

Supervising faculty

The supervising faculty is the faculty which has the responsibility for managing the academic administration of a particular course, i.e. 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 (e.g. 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 (e.g. 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 examinations

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*.

Sydney Summer School

Sydney Summer School is a program of accelerated, intensive study running for approximately 6 weeks during January and February each year. Both undergraduate and postgraduate units are offered. Summer School provides an opportunity for students at Sydney and other universities to catch up on needed units of study, to accelerate completion of a course or to undertake a unit that is outside their award course. All units are full fee-paying and enrolled students are also liable for compulsory subscriptions. Some fee-waiver scholarships are available.

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' means the earliest date at which a research student can submit the thesis. 'Latest date' means 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

A unit of study is the smallest stand-alone component of a student's course that is recordable on a student's transcript. Units of study have an integer credit point value, normally in the range 3-24. Each approved unit of study 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 unit of study. Units of study can be grouped by subject and level. (See also *Core unit of study*, *Course*, *Major*.)

Unit of study enrolment status

The enrolment status indicates whether the student is still actively attending the unit of study (i.e. 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, Year 5, and Year 6. 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 master's degrees, whose academic performance is judged outstanding.

GLOSSARY

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. (See also *MyUni*.)

Variation of enrolment

See *Enrolment variation*.

Vice-Chancellor

The chief executive officer of the University, responsible for its leadership and management. The Vice-Chancellor 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. Unlike credit, 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 unit of study 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.

Youth Allowance

Youth Allowance is payable to a full-time student or trainee aged 16-24 years of age; and enrolled at an approved institution such as a school, college, TAFE or university, and undertaking at least 15 hours a week face-to-face contact. Youth Allowance replaces AUSTUDY.

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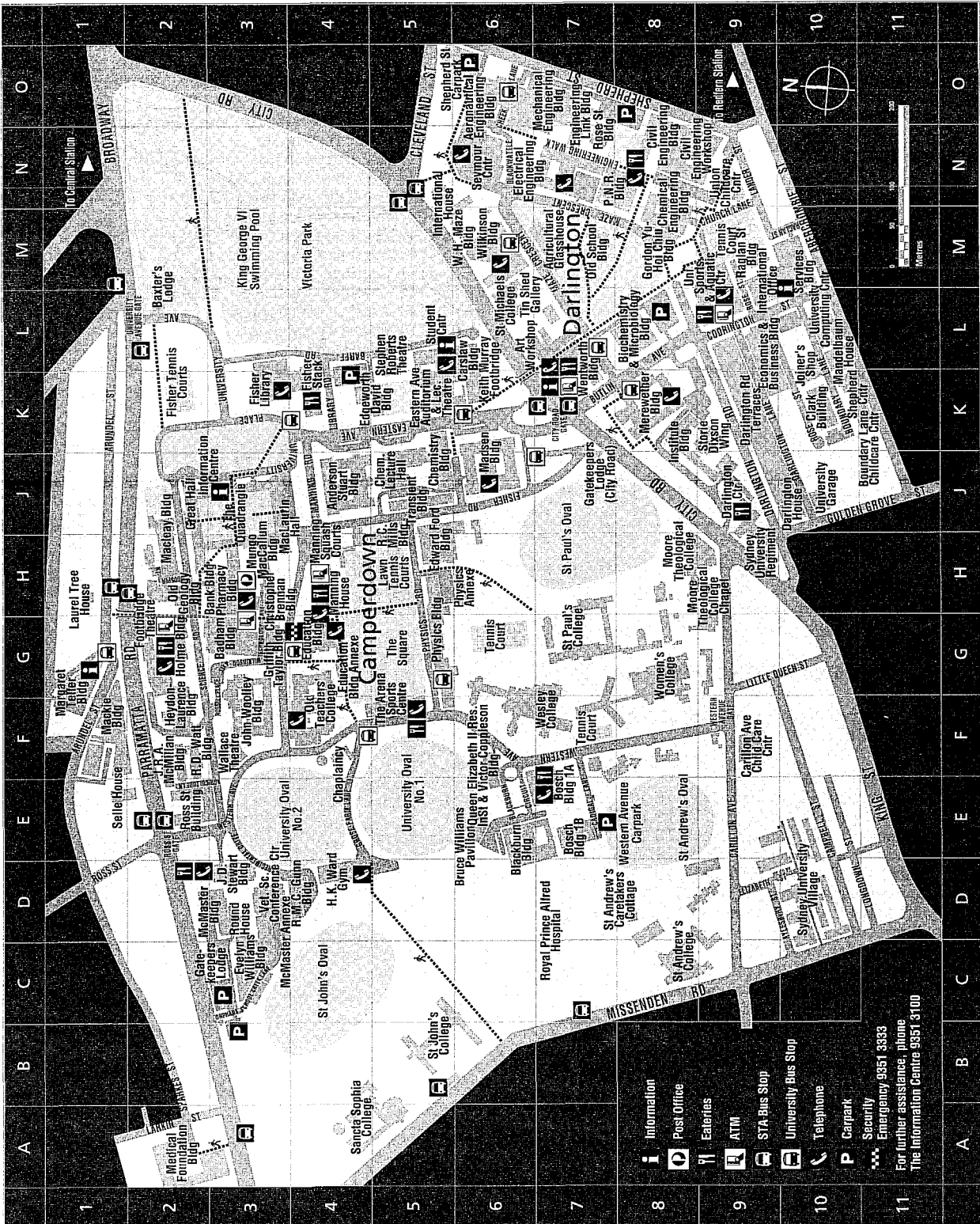
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VETS 3018 Animal Behaviour and Animal Welfare Sci, 9
VETS 3019 Professional Practice 3A, 9
VETS 3020 Animal Disease, 10
VETS 3025 Public Health, 10
VETS 3027 Veterinary Clinical Sciences 3, 10
VETS 3035 Veterinary Microbiology, 9
VETS 3036 Professional Practice 3B, 10
VETS 3037 Veterinary Parasitology, 9
VETS 4042 Veterinary Research A, 13
VETS 4043 Veterinary Research B^ 13
VETS 4111 Veterinary Anaesthesia, 10
VETS 4112 Veterinary Medicine & Clinical Pathology, 10
VETS 4113 Veterinary Radiology, 10
VETS 4114 Veterinary Surgery, 11
VETS 4221 Bird Health and Production, 11
VETS 4222 Horse Medicine and Surgery, 11* 12
VETS 4223 Pig Health and Production, 11, 12
VETS 4224 Ruminant Health and Production, 11, 12
VETS 4331 Animal Husbandry Practical Report, 10
VETS 5004 Veterinary Public Health, 12
VETS 5018 Special Medicine, 12
VETS 5321 Preparation for Veterinary Practice, 12
VETS 5322 Mixed Rural Veterinary Prac Rotation 1, 13
VETS 5323 Mixed Rural Veterinary Prac Rotation 2, 13
VETS 5324 Small Animal Veterinary Practice, 13

Main campus map



University Buildings

06 Aeronautical Engineering Building
J4 Anderson Stuart Building
L7 Art Workshop
G3 Badham Building
H3 Bank Building
L2 Baxter's Lodge
L8 Biochemistry and Microbiology Building
E6 Blackburn Building
E7 Bosch Building 1A
E7 Bosch Building 1B
E6 Bruce Williams Pavilion
L6 Carlaw Building
F4 Chaplaincy
M8 Chemical Engineering Building
J5 Chemistry Building
H3 Christopher Brennan Building
N8 Civil Engineering Building
N9 Civil Engineering Workshop
K10 Clark Building
J9 Darlington Centre
J10 Darlington House
K9 Darlington Road Terraces
K5 Eastern Avenue Auditorium & Lecture Theatre Complex
L9 Economics and Business Building
K4 Edgeworth David Building
G4 Education Building
G4 Education Building Annexe
H5 Edward Ford Building
N7 Electrical Engineering Building
N7 Engineering Link Building
C3 Evelyn Williams Building
K3 Fisher Library
K4 Fisher Library Stack
C3 Gatekeeper's Lodge
J7 Gatekeeper's Lodge (City Road)
M8 Gordon Yu-Hoi Chui Building
J2 Great Hall
G3 Griffith Taylor Building
D4 HK Ward Gymnasium
F2 Heydon-Laurence Building
G2 Holme Building
K8 Institute Building
N5 International House
F2 JRA McMillan Building
D3 JD Stewart Building
F3 John Woolley Building
F1 Mackie Building
H3 MacLaurin Hall
H2 Macleay Building
G1 Margaret Telfer Building
J6 Madsen Building
H4 Manning House
H4 Manning Squash Courts
D3 McMaster Annexe

D3 McMaster Building
06 Mechanical Engineering Building
A2 Medical Foundation Building
K8 Merewether Building
H3 Mungo MacCallum Building
H2 Old Geology Building
M7 Old School Building
F4 Old Teachers' College
H3 Pharmacy Building
H6 Physics Annexe
G5 Physics Building
N8 PNR Building
E6 Queen Elizabeth II Research Institute
H5 RC Mills Building
F2 RD Watt Building
D4 RMC Gunn Building
M9 Raglan Street Building
N7 Rose Street Building
E2 Ross Street Building
F2 Science Road Cottage
E1 Selle House
M10 Services Building
N6 Seymour Centre
K10 Shepherd Centre
06 Shepherd Street Carpark
L5 Stephen Roberts Theatre
K9 Storie Dixson Wing
F5 The Arena Sports Centre
J3 The Quadrangle
J5 Transient Building
L10 University Computing Centre
J10 University Garage
M9 University Sports & Aquatic Centre
D3 Veterinary Science Conference Centre
E6 Victor Copleston Building
F3 Wallace Theatre
K7 Wentworth Building
E7 Western Avenue Carpark
M6 WH Maze Building
M6 Wilkinson Building
Academic Colleges (offices)
H5 Health Sciences
F4 Humanities and Social Sciences
N8 Sciences and Technology
Childcare Centres
K11 Boundary Lane
F9 Carillon Avenue
H1 Laurel Tree House
N9 Union
Colleges & Residential Accommodation
J10 Darlington House
K9 Darlington Road Terraces
N5 International House
K10 Mandelbaum House
A4 Sancta Sophia College

C8 St Andrew's College
B5 St John's College
L6 St Michael's College
G7 St Paul's College
E1 Selle House
D10 Sydney University Village
F7 Wesley College
G8 Women's College
Computer Access Centres (ITS)
L6 Carlaw
G4 Education
K3 Fisher
N7 PNR
Cultural Venues
G2 Footbridge Theatre
H2 Macleay Museum
H3 Nicholson Museum
N6 Seymour Centre
K7 Sir Hermann Black Gallery
L6 Tin Sheds Gallery
H2 War Memorial Art Gallery
Faculties (offices)
E2 Agriculture
L6 Architecture
H3 Arts
J8 Economics & Business
G4 Education
N7 Engineering
H5 Medicine
G3 Pharmacy
K6 Science
D3 Veterinary Science
Libraries
L6 Architecture
G3 Badham
K8 Biochemistry
H5 Burkitt-Ford
J5 Chemistry
F4 Curriculum Resources
M7 Engineering
K3 Fisher
K4 Geosciences
K6 Mathematics
D7 Medical
N6 Music
H3 Pharmacy
H6 Physics
H5 Schaeffer Fine Arts
Retail
H3 Australia Post Office
H3 Bank Building
J9 Darlington Centre
G2 Holme Building
H4 Manning House

Camden campus map

CAMDEN CAMPUS

Department of Veterinary Clinical Sciences
Department of Animal Science
Camden Administration
Camden Farms

