The University's homepage tells you all about courses at Sydney, some careers they can lead to, and what university life is like. The interactive website, with video and sound clips, has links to the University faculties and departments.

You can explore the University of Sydney at http://www.usyd.edu.au
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*There may be some variation to the above semester dates for some courses*
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1. Welcome

Congratulations on your success in being selected from the many applicants seeking enrolment in the Faculty of Veterinary Science. I hope your experience here, in study and learning, will be enjoyable and rewarding. Members of the Faculty are eager to assist you in all aspects of your university education. Please do not hesitate to consult us on any matter where we may be able to help. The University also provides many services for assisting students with medical, financial, emotional and learning difficulties. The Sub-Dean for Student Welfare or the Faculty Secretary are able to help you make contact with these central services.

Those of us who study, teach or practise in veterinary science are privileged to work with animals. We should be mindful of the obligations and responsibilities this imposes on us. Veterinary students and scientists naturally have a humane and respectful attitude to the animals we care for and study. The privilege of working with animals in education and research is an immensely valuable one. To justify and maintain that privilege we need to ensure that the care of animals in our charge is of the highest standard.

In this handbook you will find descriptions of the study requirements for the B VSc degree as well as for postgraduate degrees in the Faculty. The program of study for the BVSc degree covers many topics in basic and applied animal biology. Graduates find that the specialised knowledge and skills they acquire over five years opens up a wide range of career paths. Nevertheless, the Faculty is aware that courses in veterinary science can always be improved. A review of the undergraduate curriculum is currently in progress and the modifications in course design that will follow will aim to enhance the efficiency of teaching and learning.

During your time as an undergraduate, you may become very interested in some aspect of veterinary science. The Faculty provides an opportunity for students to interrupt their studies with a year of supervised research in a particular field, leading to the award of the BSc(Vet) degree. The requirements for this one-year research degree are also described in this handbook.

On behalf of all the staff I extend a very warm welcome to those entering the Faculty of Veterinary Science and wish you every success and enjoyment in your studies.

D.R. Fraser
Dean
2. Guide to Departments in the Faculty

THE FACULTY OF VETERINARY SCIENCE

J. D. Stewart Building B01
Telephone +61 (02) 9351 2441
Facsimile +61 (02) 9351 3056
e-mail vetsci@vetsci.usyd.edu.au
URL http://www.usyd.edu.au/su/vetfac

Dean
Professor David R. Fraser

Pro-Dean
Professor Michael M. Bryden

Associate Deans
Animal Welfare
Dr Robert J. Dixon
Camden
Associate Professor Garry M. Cross
Postgraduate Education
Professor Reuben J. Rose

Professional and Community Relations

Research
Professor Alan J. Husband

Undergraduate Education

Sub-Dean Student Welfare
Dr G. Henry Collins

Secretary to the Faculty
Mary Haswell

Administrative Assistants
Tess La-Lande
Patricia Moroney
Lyn Robson

Finance Officer
Jenny Recio

DEPARTMENTS

Animal Science
Sydney B19
Telephone +61 (02) 9351 2464
Facsimile +61 (02) 9351 3952
e-mail grants@vetsci.usyd.edu.au
URL http://www.vetpath.usyd.edu.au

Head of Department
Associate Professor Grant M. Stone
Camden C01
Telephone +61 (02) 9351 1665
Facsimile +61 (02) 9351 1693
e-mail lizt@camden.usyd.edu.au
URL http://www.vetpath.usyd.edu.au

Veterinary Anatomy and Pathology B01
Telephone +61 (02) 9351 2446
Facsimile +61 (02) 9351 6880
e-mail mbryden@extro.ucc.usyd.edu.au
URL http://www.vetpath.usyd.edu.au

Head of Department
Professor Michael M. Bryden

Veterinary Clinical Sciences
Sydney B10
Telephone +61 (02) 9351 2443
Facsimile +61 (02) 9351 4261
e-mail proberts@vetc.usyd.edu.au
URL http://www.usyd.edu.au/su/vetfac/clin-sci

Head of Department
Camden C01
Telephone +61 (02) 9351 1611
Facsimile +61 (02) 9351 1618
e-mail anhealth@camden.usyd.edu.au
3. Brief Introduction to each Undergraduate Degree and Diploma Offered

**Bachelor of Veterinary Science (BVSc)**

*(see also page 16)*

The BVSc takes five years to complete and may be awarded with first or second class Honours. First year is concerned with the basic sciences and pre-clinical subjects. Some time is also spent at the University farms, Camden, where students are given training in the practical aspects of animal husbandry. Second and third years concentrate on preclinical and paraclinical subjects, although introductory units of study in veterinary medicine and surgery are commenced towards the end of third year. Students in fourth year continue their studies in the clinical subjects. Clinical exposure to large and small animals commences in fourth year and continues in fifth year at the Rural Veterinary Centre, Camden. Students reside at Camden in fifth year.

**Clinical experience**

**Sydney University Veterinary Teaching Hospital**

Material from lectures in Veterinary Medicine and Veterinary Surgery is augmented by practical experience in the diagnosis and treatment of medical and surgical disorders in horses, dogs, cats, small cage birds and miscellaneous pets. Special instruction is given in practical therapeutic, postoperative care, prescription writing, case record keeping, hospital administration and veterinarian-client relationships. Students are rostered for duties in the medical and surgical outpatients departments of the hospital and in the clinical pathology laboratory.

**Rural Veterinary Centre**

During the period of residence at Camden in fifth year, students are introduced to veterinary practice among farm animals. This is achieved by practical work in groups in the ambulatory clinic, hospital and clinical pathology laboratory of the Rural Veterinary Centre.

Students are able to observe disease problems under field conditions and obtain practical experience in the application of clinical pathology techniques utilised in their investigation.

**Assumed knowledge and additional selection criteria**

Two unit Maths and either 2 unit Chemistry and 2 unit Physics or 4 unit Science at the NSW Higher School Certificate or equivalent.

**Bachelor of Science (Veterinary)**

*(BSc(Vet))*

*(see also page 17)*

This one year course is taken after the third or the fourth year, and involves veterinary science research and a small project leading to the production of a thesis.
4. Units of Study Descriptions

Introduction and Information

The Faculty of Veterinary Science provides excellence in undergraduate and graduate training. The significant number of internationally recognised scholars who have trained at the Faculty reflects its commitment to high quality research.

The Bachelor of Veterinary Science takes five years to complete and may be awarded with first or second class Honours. First year is concerned with the basic sciences and preclinical subjects. Some time is also spent at the University farms, Camden, where students are given training in the practical aspects of animal husbandry. Second and third years concentrate on preclinical and paraclinical subjects, although introductory Units of Study in veterinary medicine and surgery are commenced towards the end of third year. Students in fourth year continue their studies in the clinical subjects. Clinical exposure to large and small animals commences in fourth year and continues in fifth year at the Rural Veterinary Centre, Camden. Students reside at Camden in fifth year.

Unit of Study Information

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.

Unit of Study coordinators

The coordinator for each Unit of Study is indicated. These were correct at the time of printing but are subject to change.

Books

Students are advised not to buy textbooks until lectures commence and lecturers recommend the preferred books. Printed book lists are available from the Faculty Office.

English expression

The Faculty of Veterinary Science expects students to be proficient in both written and spoken English expression. Students with problems in this area should consult the following books and seek advice from members of Faculty:

H.W. Fowler A Dictionary of Modern English Usage
W. Strank et al. The Elements of Style

The Language Study Centre and the Centre for Teaching and Learning offer help in this area.

Sydney University Veterinary Teaching Hospital

Dr David Church, Superintendent

Students will attend the Veterinary Teaching Hospital after July Semester of fourth year and in certain periods of fifth year. In this way practical experience is obtained in both the diagnosis and treatment of medical and surgical disorders in dogs, cats and other animals. Students receive special instruction and experience in anaesthetics, surgery, radiology, post-operative care, internal medicine, therapeutics, veterinarian-client relationships and case record keeping. Students are rostered for duties within the various sections of the hospital and clinical pathology laboratory.

Rural Veterinary Centre

Assoc Prof David Hodgson, Superintendent

During their period of residence at Camden in fifth year, students will be introduced to veterinary practice among farm and companion animals. This is achieved by practical work in groups in the ambulatory clinic, hospital and clinical pathology laboratory of the Rural Veterinary Centre. Students will be able to observe disease problems under field conditions and obtain practical experience in the application of clinical pathology techniques utilised in the investigation of these diseases.

During rotations through the various services of the Rural Veterinary Centre, students will be assessed on a weekly basis by their supervising clinician.

Practical Work Requirement

Students are required to do practical work in livestock husbandry.

During the vacation periods from the end of July Semester, fourth year, students will be rostered to attend the Veterinary Teaching Hospital and Rural Veterinary Centre for practical experience in veterinary medicine and surgery. All students will spend three weeks at both locations. Students are also required to undertake specified extramural clinical practical work which will be arranged by the Faculty Office.

Veterinary Anatomy

Teacher/Coordinator: Professor Michael Bryden

Veterinary Anatomy is taught in the first, second and fourth years of the veterinary degree course. It covers the anatomy of domestic animals including the horse, ox, sheep, pig, dog, cat and domestic fowl.

The Units of Study are VETS 1010 Veterinary Cytology, VETS 1000 Veterinary Anatomy and Histology I, VETS 2007 Veterinary Anatomy and Histology II, VETS 2018 Veterinary Embryology and VETS 4013 Veterinary Anatomy III.

VETS 1000 Veterinary Anatomy and Histology I

13 credit points

Teacher/Coordinator: Dr Paul Hopwood

When Offered: February & July


Assessment: Examination February Semester (20% of assessment). Theory and practical examinations July Semester (80% of assessment).

A Unit of Study in the microscopic and gross anatomy of the dog. The material is presented on a body system by body system basis.

Practical Work:

Dissection of the dog and microscopic examination of dog tissues.

Textbooks:

Department of Veterinary Anatomy and Pathology practical class manual.
**VETS 1001 Animal Husbandry** 8 credit points

**Teacher/Coordinator:** Assoc Prof Wayne Bryden  
**When Offered:** February & July  
**Classes:** 22 lectures February Semester; 26 lectures and 72 hours practical classes July Semester.  
**Assessment:** Examinations both February and July Semesters.

A Unit of Study of 48 lectures covering aspects of animal management and production and practical classes in animal husbandry and handling.  

**The lectures include:**  
- horses — their characteristics and management;  
- cattle, sheep, pigs and poultry industries in Australia and production of meat, milk, wool and eggs;  
- cats, dogs and small animals — breeds and their management.

**Practical Work:**  
9 full day practical classes are conducted July Semester at the University Farms, Camden. Practical classes will be taken by all students and will be examinable.

**Textbooks:**  
- Students should consult lecturers before purchasing text or reference books.  

**VETS 1024 Introductory Biology** 3 credit points

**Teacher/Coordinator:** Dr Mary Peat  
**When Offered:** July  
**Classes:** 39 lectures  
**Assessment:** 3 hour examination at end of July Semester.

A Unit of Study on aspects of biology serving as a basis for, and supplementary to, other Units of Study in Veterinary Science.  

Topics include: invertebrates (10 lectures), vertebrates (14 lectures), plant ecology (6 lectures), ecology (4 lectures), and behaviour (5 lectures).

**VETS 1012 Biometry** 3 credit points

**Teacher/Coordinator:** Dr Peter Thomson  
**When Offered:** February  
**Classes:** 28 lectures and 14 practical classes  
**Assessment:** Quizzes (20%) practical tests (20%), assignment (10%) and written examination (50%) February Semester.

Research in veterinary science requires experiments to be planned and analysed as sensibly and as efficiently as possible. The study of biometry shows how simple statistical principles can be used to this end.  

In addition to discussion of standard techniques of design and analysis, emphasis will be placed on developing an understanding of the important concepts. This means that a minimum of mathematical detail is required during the Unit of Study.  

Lectures are complemented by computer-based practicals, which allow students to practise and develop skills in applying statistical methods to real problems.

**Practical Work:**  
Laboratory computing classes each week for general computing and statistical analysis.

**CHEM 1403 Chemistry** 8 credit points

**Teacher/Coordinator:** Dr Ray Pierens  
**Assumed Knowledge:** Chemistry 2 Unit or the Chemistry component of 3/4 Unit Science HSC courses.  
**When Offered:** February & July  
**Classes:** 41 lectures, 10 practical classes and 14 tutorials February Semester; 27 lectures and 13 tutorials July Semester.  
**Assessment:** Theory examinations February and July Semesters (contributing a maximum of 46% and 38% respectively to the end of year mark) together with laboratory quizzes and assessments (16%).

This is a two semester Unit of Study designed to provide (i) a suitable foundation for subsequent Units of Study such as biochemistry, animal nutrition, physiology and pharmacology, and (ii) a chemical background that will aid in the understanding, diagnosis and treatment of disease. It covers chemical theory, inorganic, physical, and organic chemistry with many examples from biological areas. It pre-supposes a satisfactory prior knowledge of the Chemistry 2 Unit HSC course or the Chemistry component of the Science 3/4 Unit course.

Fully detailed information is available from the School of Chemistry.

**Lectures**  
A Unit of Study of 68 lectures comprising 41 lectures in inorganic and physical chemistry and 27 lectures in organic chemistry, with illustrations from biological areas.

**Practical Work:**  
Ten 3 hour sessions February Semester.

**Textbooks:**  
- Detailed information about prescribed texts is available from the School of Chemistry.

**VETS 1010 Veterinary Cytology** 3 credit points

**Teacher/Coordinator:** Dr Paul Hopwood  
**When Offered:** February  
**Classes:** 12 lectures and six 2 hour practical classes  
**Assessment:** 1. Microscope proficiency test, 2. Light microscopy essay assignment, 3. Theory paper and 4. Practical examination

A Unit of Study into the morphology of cells.

**Practical Work:**  
Microscopic examination of cells.

**Textbooks:**  
- Department of Veterinary Anatomy and Pathology practical class manual.

**VETS 1016 Pastoral Botany and Agronomy** 3 credit points

**Teacher/Coordinator:** Mr Dennis de Kantzow  
**When Offered:** February  
**Classes:** 20 lectures and 22 practical classes  
**Assessment:** 2 hour examination, 0.5 hour practical test, plant collection and assessment of practical handbook February Semester.

This Unit of Study consists of 42 hours of lectures and practical classes. It includes the identification of pasture grasses, legumes and weeds and the common poisonous plants. The agronomic and ecological principles of the production and utilisation of native and sown grassland communities will be explained. Topics covered include pasture growth and the environment, pasture quality, substances injurious to animal health, pasture improvement and management. A plant collection is part of the Unit of Study.

**Practical Work:**  
Plant collection and laboratory study of plant specimens.

**Textbooks:**  
No textbook required. Reference book list in handbook issued during Unit of Study.
VETS 1007 Physics

**Teacher/Coordinator:** Mrs Rosemary Millar  
**Assumed Knowledge:** Physics 2 Unit or the Physics section of 4 Unit Science HSC courses.  
**When Offered:** February & July  
**Classes:** 29 lectures and 12 tutorials February Semester; 26 lectures, 10 practical sessions and 12 tutorials July Semester  
**Assessment:** Examinations both February and July Semesters 75%; Laboratory 20%; Assignments 5%.

The physics Unit of Study consists of lectures and laboratory work. It emphasises the concepts of physics and, where possible, shows the application of physics in the biological sciences. There are five sections: forces and energy, thermal physics, properties of matter, physics of diagnostic tools and electricity and magnetism. The Unit of Study is taught on the assumption that students have completed Mathematics 2 Unit and either Physics 2 Unit or the Physics section of the Science 4 Unit course for the Higher School Certificate. Tutorials are available for those who have not studied physics before.

**Practical Work:**  
Ten 3 hour practical sessions July Semester.

**Textbooks:**  
Physics 1 Laboratory Manual, Veterinary Science, School of Physics, 1998.  

VETS 1015 Introductory Veterinary Science

**Teacher/Coordinator:** Dr Henry Collins and Others  
**When Offered:** February  
**Classes:** Ten 1 hour classes  
A non compulsory Unit of Study of ten 1 hour classes open to all first year students. The classes include talks by eminent veterinarians in a variety of occupations and activities designed to help students adjust to academic life in the Faculty and University.

VETS 2007 Veterinary Anatomy and Histology II

**Teacher/Coordinator:** Prof Michael Bryden  
**Prerequisite:** VETS 1000 Veterinary Anatomy and Histology I and VETS 1010 Veterinary Cytology.  
**Assumed Knowledge:** VETS 1000 Veterinary Anatomy and Histology I and VETS 1010 Veterinary Cytology.  
**When Offered:** February & July  
**Classes:** 29 lectures and 32 practical classes February Semester; 54 lectures and 24 practical classes July Semester.  
**Assessment:** Theory and practical examinations February and July Semesters.

This Unit of Study covers the anatomy of the horse, ox, sheep, pig, cat and domestic fowl and comparative anatomy of some non-domesticated vertebrates; integrated microscopical anatomy of selected organs of those species. The Unit of Study consists of lectures and practical classes totalling 241 hours.

**Practical Work:**  
69 hours practical work February Semester; 63 hours practical work July Semester.

**Textbooks:**  

VETS 2001 Animal Genetics

**Teacher/Coordinator:** Assoc Prof Frank Moran  
**When Offered:** February and July  
**Classes:** 45 hours of lectures/tutorials both semesters  
**Assessment:** 50 minute examination mid year (33%); two hour examination July semester (67%)

A unit of study of 45 hours introducing those aspects of genetics relevant to veterinarians. The first section (Genetics and Animal Disease) covers single-locus disorders (including those with a known molecular basis), chromosomal abnormalities, non-Mendelian familial disorders, immunogenetics, pharmacogenetics, genetic variation in pests, parasites and pathogens, and genetic and environmental control of disease. The second section (Genetics and Animal Improvement) covers relationship and inbreeding, variation and heritability, breed history and structure, selection and crossing.

**Textbooks:**  

VETS 2002 Biochemistry

**Teacher/Coordinator:** Assoc Prof Michael Slaytor  
**When Offered:** February & July  
**Classes:** 48 lectures February Semester; 30 lectures and four 6 hour practical laboratory classes July Semester.  
**Assessment:** Two and a half hour examination February Semester and 2 hour examination July Semester. July Semester examination has a section on laboratory work which is 15% of the Semester's assessment. The Unit of Study consists of 78 lectures. The 48 lectures in February Semester are core lectures covering proteins and enzymes in sufficient detail for the understanding of intermediary metabolism related to food and energy production. There is a small component of prokaryotic molecular genetics designed as background information for Genetics. July Semester lectures (30) are on more specialised topics with the main emphasis on tissue biochemistry and eukaryotic molecular genetics. The laboratory course of 4 classes in July Semester is designed to give students some manipulative skill in quantitative biochemistry and illustrates some of the techniques used in clinical pathology.

**Practical Work:**  
Four 6 hour practical laboratory classes July Semester.

**Textbooks:**  

VETS 2018 Veterinary Embryology

**Teacher/Coordinator:** Dr Rhonda Canfield  
**Prerequisite:** VETS 1000 Veterinary Anatomy and Histology I.  
**Assumed Knowledge:** Gross and histological structure of the dog.  
**When Offered:** February  
**Classes:** 30 lectures and 18 hours of practical classes  
**Assessment:** Assessment is by project presentation and theory and practical examinations February Semester.

Primary emphasis is on the normal prenatal development of body structure and placentation within domestic animals. Brief reference is made to abnormal development and placentation in other species.

**Practical Work:**  
Practical classes reinforce lecture material and consist of tissue examination and identification at the gross and microscopic level, demonstrations, videos, examination of models and case studies of congenital abnormalities.

**Textbooks:**  
**VETS 2025 Veterinary Pathology I**

**Teacher/Coordinator:** Dr Malcolm France  
**Prerequisite:** Veterinary Science Year 1.  
**Assumed Knowledge:** Veterinary Science Year 1.  
**When Offered:** July  
**Classes:** 42 lectures and 8 practical classes  
**Assessment:** 2 hour written examination July Semester.

Veterinary Pathology I is a unit of study in general pathology and deals with causes of disease, morbid and reactive processes, inflammation, immunological reactions, regressive and progressive tissue changes and includes the study of neoplastic growths. Practical work includes the examination of gross and microscopic changes in representative examples of these processes.

**Practical Work:**  
16 hours of laboratory based practical classes.

**Textbooks:**  


**VETS 2006 Veterinary Physiology**

**11 credit points**

**Teacher/Coordinator:** Dr Paul McGreevy, Dr David Evans, Assoc Prof Gareth Evans, Assoc Prof Grant Stone, Dr Rosanne Taylor and Dr Melanie Collier  
**When Offered:** February & July  
**Classes:** 33 lectures and 10 practical classes in both semesters.  
**Assessment:** One 3 hour examination in both February and July Semesters.

2 to 3 lectures and 1 or 2 practicals/tutorials per week February and July Semesters. 1 project July Semester.

About 68 hours of lectures and 86 hours of other classes which include laboratory experiments, videos, tutorials, problem-solving sessions, and computer-based tutorials and self-assessments. Students also undertake independent project work and present research results at seminars. Topics in the Unit of Study include: homeostasis; neural and endocrine control mechanisms; body fluids, physiology of nerve and muscle; autonomic nervous system; cardiovascular and respiratory systems, renal system and acid-base balance; endocrinology; digestion; reflexes and male and female reproduction.

**Practical Work:**  
3 hours per week

**Textbooks:**  

**VETS 3021 Animal Nutrition**

**3 credit points**

**Teacher/Coordinator:** Prof David Fraser  
**Assumed Knowledge:** Veterinary Science Years 1 and 2.  
**When Offered:** July  
**Classes:** 36 lectures  
**Assessment:** Examination July Semester

A Unit of Study of 36 lectures concerned with the principles and practice of nutrition.

**Textbooks:**  

**VETS 3012 Veterinary Bacteriology and Mycology A**

**4 credit points**

**Teacher/Coordinator:** Assoc Prof Daria Love  
**Prerequisite:** Veterinary Science Years 1 and 2.  
**Assumed Knowledge:** VETS 2025 Veterinary Pathology I, Genetics and Immunology.  
**When Offered:** February  
**Classes:** 30 lectures and practical classes  
**Assessment:** Practical class exercise assessment. 2 hour theory paper and one and a half hour practical paper February Semester.

A Unit of Study of 63 hours of lectures and 45 hours of practical work. Lectures outline the general biological properties of groups of bacteria and fungi involved in diseases of veterinary importance. A study of the principles of disease pathogenesis as illustrated by groups of major veterinary pathogens is then presented. The main aim is to present a basic approach to understanding the relationship between micro-organisms and host species and how and why disease results. Presentation of basic epidemiology, pathology and immunology is given along with micro-organisms to enable students to study infectious disease in an integrated way.

Practical work includes the isolation, cultivation and identification of examples of major pathogenic micro-organisms and examination of the tissues of animals affected by microbial diseases. Classes are presented as clinical problems and worked up in a manner similar to a practice reference laboratory. Group tutorials discuss outcomes and approaches to problem solving.

Tutorials and practical classes also demonstrate and apply principles of sample collection, handling and laboratory processing enabling students to understand the requirements necessary to aid diagnosis of infectious disease. Some practical procedures for antimicrobial testing of isolates are also given.

Please see VETS 3022 Veterinary Bacteriology and Mycology B V322 for details of the course in July Semester.

**Practical Work:**

45 hours of classes over February and July Semesters.

**VETS 3022 Veterinary Bacteriology and Mycology B**

**4 credit points**

**Teacher/Coordinator:** Assoc Prof Daria Love  
**Prerequisite:** Veterinary Science Years 1 and 2. Advised VETS 3012 Veterinary Bacteriology and Mycology A.  
**Assumed Knowledge:** VETS 3012 Veterinary Bacteriology and Mycology A, VETS 2025 Veterinary Pathology I, Genetics and Immunology.  
**When Offered:** July  
**Classes:** 33 lectures and practical classes  
**Assessment:** Practical class exercise assessment. 2 hour theory paper and one and a half hour practical paper July Semester.

See VETS 3012 Veterinary Bacteriology and Mycology A for course description.

**Practical Work:**

See VETS 3012 Veterinary Bacteriology and Mycology A.
VETS 3023 Veterinary Medicine  
**3 credit points**

**Teacher/Coordinator:** Assoc Prof David Watson  
**Prerequisite:** Veterinary Science Years 1 to 3.  
**Assumed Knowledge:** An understanding of VETS 1000 Veterinary Anatomy and Histology I, VETS 2007 Veterinary Anatomy and Histology II, VETS 2001 Animal Genetics, VETS 2018 Veterinary Embryology, VETS 2002 Biochemistry, VETS 2025 Veterinary Pathology I, VETS 3015 Veterinary Pathology II, VETS 2006 Veterinary Physiology, VETS 3017 Veterinary Pathology, VETS 3002 Veterinary Bacteriology and Mycology, VETS 3014 Veterinary Parasitology, VETS 3006 Veterinary Pharmacology and Toxicology and VETS 3021 Animal Nutrition.  
**When Offered:** July  
**Classes:** 36 Lectures  

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

**Textbooks:**  

**VETS 3014 Veterinary Parasitology**  
**4 credit points**

**Teacher/Coordinator:** Dr Henry Collins  
**When Offered:** February  
**Classes:** 26 lectures and 13 practical classes  
**Assessment:** Based on compulsory exercises, a group project and final written and practical examinations February Semester.  

A study of the major parasitic diseases of the companion animals: dogs, cats, horses, cage birds and aquarium fish. The Unit of Study of 52 hours covers the structure and biology of helminth, arthropod and protozoal parasites, but the emphasis is on the pathogenesis, diagnosis, epidemiology, treatment and control of parasitic diseases. Educational objectives are used to assist learning; assessment is based on these objectives and comprises a group project, compulsory exercises and final practical and written examinations.  

**Practical Work:**  
Group project  

**Textbooks:**  

**VETS 3015 Veterinary Pathology II**  
**7 credit points**

**Teacher/Coordinator:** Dr Malcolm France  
**Prerequisite:** Veterinary Science Year 2.  
**Assumed Knowledge:** VETS 2025 Veterinary Pathology I and Veterinary Science Year 2.  
**When Offered:** February  
**Classes:** 60 lectures and 16 practical classes  
**Assessment:** 3 hour written examination and 1 hour practical examination February Semester.  

Veterinary Pathology II is a Unit of Study in systematic pathology and applies the principles of general pathology to diseases of the various organs and systems of domestic animals.  

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

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

**Textbooks:**  


**VETS 3016 Veterinary Pharmacology and Toxicology A**  
**2 credit points**

**Teacher/Coordinator:** Dr Jill Maddison  
**When Offered:** February  
**Classes:** 28 lectures  
**Assessment:** One 90 minute examination in February Semester, class performance and assignments.  

A Unit of Study including lectures, problem-based tutorials and correlation sessions. The latter will be run in conjunction with members of other departments within the Faculty to illustrate the interaction of preclinical and clinical disciplines in solving clinical problems. The Unit of Study covers basic pharmacological principles and clinical veterinary pharmacology. The interactive workshops address topics of particular relevance to veterinary pharmacology.  

Please see VETS 3026 Veterinary Pharmacology and Toxicology B V326 for details of the course in July Semester.  

**Textbooks:**  

**VETS 3026 Veterinary Pharmacology & Toxicology B**  
**4 credit points**

**Teacher/Coordinator:** Dr Jill Maddison  
**Prerequisite:** Advised VETS 3016 Veterinary Pharmacology & Toxicology A.  
**Assumed Knowledge:** VETS 3016 Veterinary Pharmacology & Toxicology A.  
**When Offered:** July  
**Classes:** 28 lectures, 6 hours of problem-based tutorials and 3 correlation sessions (3 hours each session)  
**Assessment:** One 90 minute examination in July Semester, class performance and assignments.  

See VETS 3016 Veterinary Pharmacology & Toxicology A for course description.  

**Textbooks:**  
See VETS 3016 Veterinary Pharmacology & Toxicology A.  

**VETS 3017 Veterinary Physiology**  
**11 credit points**

**Teacher/Coordinator:** Dr David Evans, Dr Paul McGreevy, Assoc Prof Grant Stone, Dr Rosanne Taylor and Dr Melanie Collier  
**When Offered:** February  
**Classes:** 53 lectures and 93 hours of other classes  
**Assessment:** One 3 hour examination, 2 essays and one group project February Semester.  
3 to 4 lectures and 2 to 3 practicals/tutorials per week February Semester.  

This Unit of Study consists of approximately 53 hours of lectures and 93 hours of other classes. These include tutorials, seminars, laboratory work, library research, computer based learning and self-assessment sessions. Topics include sensory systems, central nervous system, pain, ruminant digestion, reproduction, animal welfare, cardiovascular system, development, thermoregulation, exercise physiology and normal and abnormal animal behaviour.  

**Textbooks:**  
VETS 3028 Veterinary Surgery

Teacher/Coordinator: Dr Geraldine B. Hunt
Prerequisite: Veterinary Science Years 1 and 2.
Assumed Knowledge: Veterinary Science Years 1 and 2.
When Offered: July
Classes: 26 lectures and 4 practical classes
Assessment: Ongoing assessment (50%) and written examination (50%) July Semester.

Study of veterinary surgery extends over three years and provides theoretical and practical instruction in the principles of surgery, obstetrics, anaesthesia and radiology in both large and small domestic animals. Instruction in veterinary surgery commences in third year. Topics covered include: the principles of aseptic surgery; plastic, reconstructive and oncologic surgery; radiography, ultrasonography and radiation oncology; and anaesthesia, in preparation for entry to the Veterinary Teaching Hospital in fourth year. An equivalent time in third year is also devoted to practical instruction in these subjects.

Practical Work:
4 practical classes in aspects of surgery July Semester.

Textbooks:

VETS 3009 Veterinary Virology

Teacher/Coordinator: Dr Gary Grohmann
Assumed Knowledge: Basic Biochemistry
When Offered: February & July
Classes: 9 lectures and 10 hours practical classes February Semester;
9 lectures and 22 hours problem solving and consultancy July Semester.
Assessment: Problem solving assignments and a 1 hour practical examination February Semester. A consultancy assignment and a 2 hour written examination July Semester.

A Unit of Study of 18 lectures, 12 hours of practical work and 20 hours of problem solving consultancy briefs. Major topics include: structure and classification of animal viruses, epidemiology, control of viral diseases, zoonoses, vaccines, chemotherapy, host response, clinical expression and subclinical carriage of viral infections and diagnostic tests including molecular biology tests, cell culture, electron microscopy and immunodiagnostics.

Emphasis will be placed on viral diseases of cats, dogs, poultry, cattle, sheep and horses.

Practical Work:
Six 2 hour sessions covering cell culture, electron microscopy, virus identification, serology and molecular techniques February Semester.

Textbooks:

VETS 4013 Veterinary Anatomy III

Teacher/Coordinator: Dr Paul Hopwood
Prerequisite: VETS 1000 Veterinary Anatomy and Histology I, VETS 2007 Veterinary Anatomy and Histology II.
When Offered: February
Classes: Twelve 2 hour practical classes.
Assessment: Written assignments

This Unit of Study covers the surface anatomy and applied anatomy of the horse and dog.

Practical Work:
Dissection classes

VETS 4008 Animal Husbandry Practical Report

Teacher/Coordinator: Assoc Prof Gareth Evans
Prerequisite: Enrolment in the Bachelor of Veterinary Science course.
Assessment: The work is documented in a practical report which is submitted for assessment in the first week of February/Semester, 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 Work:
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 21 days, sheep 21 days, pigs 7 days and poultry 7 days. Students are encouraged to voluntarily gain experience with native fauna, zoo animals, marine animals or other exotic species but such periods of work cannot be substituted for work with the major domestic species.

VETS 4021 Animal Nutrition

Teacher/Coordinator: Prof David Fraser
Prerequisite: Veterinary Science Year 3
Assumed Knowledge: Veterinary Science Year 3
When Offered: July
Classes: 36 lectures
Assessment: Examination July Semester

A Unit of Study of 36 lectures on the integration of nutrition with clinical topics and applied nutrition of a variety of animals including horses, dogs, cats, fish, cage birds, laboratory and zoo animals.

VETS 4022 Applied Reproduction and Obstetrics

Teacher/Coordinator: Assoc Prof Gareth Evans
Prerequisite: VETS 2006 Veterinary Physiology, VETS 1000 Veterinary Anatomy and Histology I and VETS 2007 Veterinary Anatomy and Histology II.
When Offered: July
Classes: 36 lectures and 1 practical class
Assessment: One 3 hour written examination July Semester.

A Unit of Study of 36 lectures and 1 practical class concerned with applied aspects of animal reproduction and obstetrics. Topics include the normal patterns of fertility in farm animals, dogs, cats and horses, and emphasis is placed on regulation of fertility and management of reproductive disorders. Instruction is provided on pre-partum affections, parturition, dystocia, and the affections of the urogenital tract at birth. Practical experience is provided at the Veterinary Teaching Hospital in Sydney, at the Rural Veterinary Centre at Camden, and in further formal demonstrations in Fifth Year Units of Study.

Practical Work:
One 3 hour practical class on applied reproduction in the dog (optional).

VETS 4004 Veterinary Clinical Pathology

Teacher/Coordinator: Assoc Prof Paul Canfield
Prerequisite: Veterinary Science Years 1 to 3.
Assumed Knowledge: Veterinary Science Years 1 to 3.
When Offered: February & July
Classes: 22 lectures and 5 practical classes February Semester; 8 lectures and 4 practical classes July Semester.
Assessment: Continuous practical assessment both February and July Semesters. Open book written examination July Semester.

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

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

Practical Work:
Case reports and simple laboratory procedures.
VETS 4005 Veterinary Medicine  
15 credit points

Teacher/Coordinator:  Assoc Prof David Watson
Assumed Knowledge:  Veterinary Science Years 1 to 3.
When Offered:  February & July
Classes:  36 hours of lectures February Semester and 144 hours of structured clinical training in the Veterinary Teaching Hospital both semesters.
Assessment:  One hour multiple choice question examination February Semester. One and a half hour structured objective clinical examination July Semester. Three hour written examination July Semester.

The Unit of Study commenced in third year continues through the two semesters of fourth year. Lectures (36) on diseases of various organ systems constitute the didactic component given in February Semester. The Unit of Study is based on dogs and cats, with reference to other animal species as necessary.

Practical work in the Veterinary Teaching Hospital is undertaken using clinical case material and case illustrated tutorials are given during February and July Semesters.

Textbooks:

VETS 4026 Veterinary Parasitology  
3 credit points

Teacher/Coordinator:  Dr Henry Collins
When Offered:  July
Classes:  28 lectures and 13 practical classes
Assessment:  Based on compulsory exercises, a group project and final written and practical examinations July Semester.

A study of the economically important parasitic diseases of commercial animals: cattle, sheep, goats, pigs, poultry, bees and farmed fish. The Unit of Study of 54 hours emphasises the importance of clinical and sub-clinical parasitic diseases as constraints on agricultural production and shows how knowledge of the epidemiology of these diseases is used in planning control measures. Educational objectives are used to assist learning; assessment exercises are based on these objectives and comprises a group project, compulsory exercises and final practical and written examinations.

Practical Work:
Group project

Textbooks:

VETS 4007 Veterinary Surgery  
22 credit points

Teacher/Coordinator:  Dr Geraldine B. Hunt
Prerequisite:  Veterinary Science Years 1 to 3.
Assumed Knowledge:  Veterinary Science Years 1 to 3.
When Offered:  February & July
Classes:  78 lectures and 5 practical classes February Semester; 17 lectures and 5 practical classes July Semester.
Assessment:  Ongoing assessment (25%) February and July Semesters, examination (75%) July Semester.

The Unit of Study of 95 lectures includes the surgical diseases and affections of domestic animals. These are arranged with emphasis on a systematic approach giving consideration to the alimentary, musculoskeletal, respiratory, urogenital, cardio-vascular, nervous, special senses, cutaneous and endocrine systems of the body.

Training is given by lectures and demonstrations in the principles of antisepsis and aseptic surgery, in the pathophysiology of surgical diseases, in the technique of operative surgery and in anaesthesia, radiography and radiology. Surgical techniques are practised under supervision in 60 hours of formal practical classes. Students assist in the surgery and after-care of animals in the veterinary hospital on a roster system as part of their clinical work.

Instruction in veterinary anaesthesia covers the theory and practice of general anaesthesia and of local and regional analgesia. The student studies the pre-operative assessment of the anaesthetic patient in addition to the recognition and management of post-operative anaesthetic complications. Fluid therapy and intensive care of both surgical and medical cases are undertaken.

Instruction in the use of radiology as an aid to clinical diagnosis in diseases of the different body systems is given. Examination of clinical cases, practical classes and tutorials will provide an introduction to radiological diagnosis and cover further aspects of radiography, radiation protection, ultrasonography and radiation oncology.

Practical Work:
30 hours formal practical classes in each of February and July Semesters.

Textbooks:

VETS 5002 Bird Health and Production  
5 credit points

Teacher/Coordinator:  Assoc Prof Garry Cross
Prerequisite:  Veterinary Science Years 1 to 4.
Assumed Knowledge:  Veterinary Science Years 1 to 4.
When Offered:  February & July
Classes:  7 lectures February Semester and 31 lectures July Semester; 40 hours practical classes July Semester.
Assessment:  Written and practical examinations July Semester.

This Unit of Study consists of 38 lectures and 40 hours of practical classes. 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. 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 Work:
Conducted within department

Textbooks:
Produced in department (lecture notes)

VETS 5007 Cattle Health and Production  
6 credit points

Teacher/Coordinator:  Dr Tony English
Prerequisite:  Veterinary Science Years 1 to 4.
Assumed Knowledge:  Veterinary Science Years 1 to 4.
When Offered:  February & July
Classes:  63 lectures and 58 hours of practical classes
Assessment:  One 3 hour written examination February Semester.

The Unit of Study in cattle health and production is an integration of material presented by the Departments of Animal Science and Animal Health. The aim is to enable new graduates to participate effectively in all aspects of cattle practice including cattle medicine, herd medicine and reproduction including artificial breeding and production. There are 63 lectures and 58 hours of practical classes, with additional exposure to case material and herd health programs during clinical rotations at the Rural Veterinary Centre.
The lectures cover the medicine of systems, generalised and metabolic diseases and deficiency states. A major aim is to develop an understanding of the balance between consideration of the individual cow or calf and the herd. The close links between medicine and production must be appreciated. The methods by which disorders in herds are investigated will be covered.

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

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

**Practical Work:**
One 2 week rotation (Monday to Friday, 9 am to 1 pm) February Semester. Rural Veterinary Centre rotations as rostered (2 weeks) February and July Semesters.

**Textbooks:**
Radostits, O.M., et al., Veterinary Medicine, 8th edn, BailliereTindall, 1994.

**VETS 5000 Clinical Practice**

- **7 credit points**

**Teacher/Coordinator:** Assoc Prof David Hodgson

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

**Assumed Knowledge:** Veterinary Science Years 1 to 4.

**When Offered:** February & July

**Classes:** 192 hours of practical work at the RVC.

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

Clinical Practice integrates knowledge from lectures in Units of Study in managing cases and dealing with clients under academic supervision at the Rural Veterinary Centre (RVC). Continuing assessment will account for 80% of the allocated mark and each student will be assessed after each rotation of work at the RVC. This assessment will be based on clinical knowledge, management of case records, attitude towards, and interest, in the work of the RVC and professionalism (client and colleague relationships). At the time of the July examinations each student will be examined viva voce and this will account for 20% of the mark.

**Practical Work:**
192 hours

**VETS 5017 Essay**

- **1 credit points**

**Teacher/Coordinator:** Associate Dean, Camden Campus

**Assessment:** Essay

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

**VETS 5003 Horse Medicine**

- **6 credit points**

**Teacher/Coordinator:** Assoc Prof David Hodgson

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

**Assumed Knowledge:** Veterinary Science Years 1 to 4.

**When Offered:** February & July

**Classes:** 30 lectures and 44 hours of practical classes February Semester; 18 hours of practical classes July Semester.

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

Equine medicine is presented as lectures, practical classes and by participation in clinical practice. There are 26 lectures covering medical problems in all the major body systems including equine reproduction. Lectures are presented using an approach which highlights major problems in equine medicine. Practical classes in equine reproduction, ophthalmology and neurology are held at the Faculty Horse Unit in Cobbitty and the Rural Veterinary Centre. The Rural Veterinary Centre and its laboratory provide experience in the management of a wide range of disease problems in companion animals (including horses), cattle, goats and deer. Students also participate in herd health services provided to local dairy producers.

**Practical Work:**
44 hours horse medicine practical classes February Semester and 18 hours equine reproduction practical classes July Semester.

**Textbooks:**
Hodgson, D.R. and Rose, R.J., Equine Internal Medicine, Proceedings No. 206, Postgraduate Committee in Veterinary Science, University of Sydney, 1993.
Smith, B.P., Large Animal Internal Medicine, Vol. 2, Mosby, 1996.

**VETS 5026 Pig Health and Production**

- **5 credit points**

**Teacher/Coordinator:** Assoc Prof Robert Love

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

**Assumed Knowledge:** Veterinary Science Years 1 to 4.

**When Offered:** July

**Classes:** 33 lectures and 8 practical classes

**Assessment:** 2 hour examination July Semester.

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 deal with the common problems of pig medicine and production rather than attempt to cover the full range of possible problems. Practical classes are aimed at providing the necessary understanding and skills for pig practice.

The emphasis of the Unit of Study is managing endemic disease and preventive medicine. Welfare of intensively housed pigs is also given consideration.

**Textbooks:**
VETS 5004 Veterinary Public Health

3 credit points

Teacher/Coordinator: Assoc Prof Garry Cross
Prerequisite: Veterinary Science Years 1 to 4.
Assumed Knowledge: Veterinary Science Years 1 to 4.
When Offered: February & July
Classes: 15 lectures February Semester and 33 lectures July Semester. 27 hours self instruction in food quality and hygiene July Semester.
Assessment: Written examination July Semester. 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.

There are 48 hours of lectures and 27 hours of self instruction programmed for Veterinary Public Health.

Practical Work:
Abattoir experience

Textbooks:


Veterinary Surgeons Act, 1987

VETS 5008 Special Medicine

2 credit points

Teacher/Coordinator: Dr Robert Dixon
Prerequisite: Veterinary Science Years 1 to 4.
Assumed Knowledge: Veterinary Science Years 1 to 4.
When Offered: February & July
Classes: Estimate - 9 lectures February Semester and 16 lectures July Semester.
Assessment: The assessment will be 30% assignment mark and, at the end of the Unit of Study (February or July Semester), 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 5005 Veterinary Surgery

6 credit points

Teacher/Coordinator: Prof Reuben Rose
Prerequisite: Veterinary Science Years 1 to 4.
Assumed Knowledge: Veterinary Science Years 1 to 4.
When Offered: February & July
Classes: Estimated -10 lectures and 40 hours practical classes both semesters.
Assessment: Practical examination relating to equine clinical examination and diagnosis will be held end of February Semester. Additionally a written examination will be held end of July Semester.

In fifth year the surgery Unit of Study consists of 20 hours of lectures or seminars on special features of surgery, radiology and anaesthesia and 80 hours of practical instruction. The practice of surgical and obstetrical techniques under supervision, and preparation of small and large animals for surgery and their after-care in the Rural Veterinary Centre, continues throughout the year.

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

Practical Work:
Basically the Unit of Study will be supplemented by practical work undertaken in the Rural Veterinary Centre and private practice.

Textbooks:
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<tr>
<th>Alpha &amp; Num. codes</th>
<th>Unit of Study Name</th>
<th>Credit Point Value</th>
<th>Assumed Knowledge (AK)</th>
<th>Additional Information / May not be counted with</th>
<th>When Offered (Semester)</th>
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<tbody>
<tr>
<td>VETS 1000</td>
<td>Veterinary Anatomy and Histology I</td>
<td>13</td>
<td>AK: Chemistry 2 Unit or the Chemistry component of 3/4 Unit Science HSC courses.</td>
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<td>VETS 1024</td>
<td>Introductory Biology</td>
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<td>3</td>
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<td>Introductory Veterinary Science</td>
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<td>Veterinary Anatomy and Histology II</td>
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</tr>
<tr>
<td>VETS 5000</td>
<td>Clinical Practice</td>
<td>7</td>
<td>AK: Veterinary Science Years 1 to 4.</td>
<td></td>
<td>February &amp; July</td>
</tr>
<tr>
<td>VETS 5017</td>
<td>Essay</td>
<td>1</td>
<td>AK: Veterinary Science Years 1 to 3.</td>
<td></td>
<td>February &amp; July</td>
</tr>
<tr>
<td>VETS 5003</td>
<td>Horse Medicine</td>
<td>6</td>
<td>AK: Veterinary Science Years 1 to 4.</td>
<td></td>
<td>February &amp; July</td>
</tr>
<tr>
<td>VETS 5026</td>
<td>Pig Health and Production</td>
<td>5</td>
<td>AK: Veterinary Science Years 1 to 4.</td>
<td></td>
<td>July</td>
</tr>
<tr>
<td>VETS 5004</td>
<td>Veterinary Public Health</td>
<td>3</td>
<td>AK: Veterinary Science Years 1 to 4.</td>
<td></td>
<td>February &amp; July</td>
</tr>
<tr>
<td>VETS 5019</td>
<td>Sheep Health and Production</td>
<td>7</td>
<td>AK: Veterinary Science Years 1 to 4.</td>
<td></td>
<td>February</td>
</tr>
<tr>
<td>VETS 5008</td>
<td>Special Medicine</td>
<td>2</td>
<td>AK: Veterinary Science Years 1 to 4.</td>
<td></td>
<td>February &amp; July</td>
</tr>
<tr>
<td>VETS 5005</td>
<td>Veterinary Surgery</td>
<td>6</td>
<td>AK: Veterinary Science Years 1 to 4.</td>
<td></td>
<td>February &amp; July</td>
</tr>
</tbody>
</table>
6. Regulations

Bachelor of Veterinary Science: BVSc

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

1. Candidates for the course of Bachelor of Veterinary Science shall complete the following units of study:

(i) In the first year—
   Introductory Veterinary Science
   Introductory Biology
   Chemistry
   Physics 1
   Veterinary Anatomy and Histology I
   Veterinary Cytology
   Biometry
   Animal Husbandry
   Pastoral Botany and Agronomy

(ii) In the second year—
   Veterinary Anatomy and Histology II
   Veterinary Embryology
   Veterinary Physiology
   Biochemistry
   Animal Genetics
   Veterinary Pathology I

(iii) In the third year—
   Animal Nutrition
   Veterinary Physiology
   Veterinary Pathology II
   Veterinary Bacteriology and Mycology A and B
   Veterinary Virology
   Veterinary Pharmacology and Toxicology A and B
   Veterinary Medicine
   Veterinary Surgery
   Veterinary Parasitology

(iv) In the fourth year—
   Veterinary Medicine
   Veterinary Surgery
   Veterinary Parasitology
   Veterinary Public Health
   Essay
   Clinical Practice

(v) In the fifth year—
   Bird Health and Production
   Horse Medicine
   Pig Health and Production
   Cattle Health and Production
   Special Medicine
   Sheep Health and Production
   Veterinary Surgery
   Veterinary Public Health
   Essay
   Clinical Practice

2. A unit shall consist of lectures, together with such clinical, laboratory and tutorial instructions, practical work, exercises and essays as may be prescribed by the Faculty.

In these resolutions, ‘to complete a unit’ and derivative expressions mean:

(a) to attend the lectures and seminars, if any, for clinical, laboratory or tutorial instructions;

(b) to complete satisfactorily the practical work, exercises and essays, if any; and

(c) to pass the examinations, if any, in the unit.

3. Class examinations may be held during each unit of instruction in each semester; students shall not absent themselves from these examinations except upon production of a medical certificate. A report of the results signed by the responsible teacher shall be presented to the Dean and may be taken into account at the annual examinations.

4. (1) An annual examination may be held for each of the prescribed units of study for the course.

(2) At each annual examination, a candidate shall be required to give proof of his or her knowledge by written answers to the questions set, and if required also by practical or viva voce examination or both.

5. No candidate for the degree may enrol in any of the units prescribed for the second or subsequent years of candidature unless that candidate has completed at the one examination all the requirements of the previous year.

6. 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.

7. A candidate for the degree may enrol in the units 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.

8. During the fifth year, candidates shall be required to spend such periods in residence at the University of Sydney farms as the Faculty may from time to time determine.

9. Before admission to the course for the degree of Bachelor of Veterinary Science, candidates shall be required to complete such practical clinical work as may from time to time be prescribed by the Faculty.

10. Before admission to the course for the degree of Bachelor of Veterinary Science, each candidate shall be required to produce evidence of having spent such periods as may be specified by the Faculty in gaining approved practical experience in animal management.

11. (1) First and Second Class Honours may be awarded at graduation.

(2) Results obtained in annual examinations shall determine whether a candidate qualifies for the award of Honours.

(3) Honours shall not be awarded to a candidate who has taken longer to complete the course than the minimum period in which a candidate may complete the course of Bachelor of Veterinary Science.

(4) Notwithstanding the provisions of subsection (3) of this section, the Faculty, for special reasons, may permit the award of Honours to a candidate who has taken longer to complete the course than the period specified in that subsection.

(5) If a candidate graduates with First Class Honours and the Faculty is of the opinion that the candidate’s work is of sufficient merit, the candidate shall receive a bronze medal.
Award of honours

Asystem of Weighted Average Marks (WAM) is used as a measure of academic performance each year. The WAM is calculated by summing the products of the marks achieved and the weighted values of the units of study taken and then dividing by the sum of the weighted unit values. The formula used is:

$$WAM = \frac{\sum WvM}{\sum Wv}$$

where Wv 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. Weights are determined on the basis of timetabled hours. Where an exemption is granted from a unit, the mark used for the calculation of the WAM is the mean mark of contemporary students in that unit.

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

Bachelor of Science (Veterinary): BSc(Vet)

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

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

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

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

The dissertation will be assessed by two examiners who will also question the candidate on the topic of the research in the fourth assessment process, a 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 70%, the viva voce examination 20% and the final seminar 10% of the marks for the assessment for the award of the degree. Successful candidates will be awarded the degree with either First Class, Second Class, or Third Class Honours. If the dissertation is submitted before the end of November, it is possible for successful candidates to receive the degree at the graduation ceremony in December.

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 Dean and other staff. The resolutions of the Senate and the Faculty concerning the degree follow.

Recent projects have included: 'An investigation of the involvement of the MHC in resistance to foot rot in sheep using RFLP techniques', 'Adaptations of equine skeletal muscle to different training intensities', 'Immunology of mange caused by Trixacarus caviae in guinea pigs', and 'Pathologic and sonographic studies of equine tendons and ligaments'.

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).

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 on behalf of the Board of Examiners.

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, oral examination and presentation of seminars.

6. (1) The degree shall be awarded only with Honours.
   (2) There shall be three classes of Honours, namely Class I, Class II and Class m.

7. A candidature may be terminated at any time by the Dean if, in the opinion of the Supervisor and the Associate Dean concerned with the degree course, the candidate's work is unsatisfactory.

Resolutions of the Faculty

1. The responsibility for overseeing the implementation of the Faculty's academic policies concerning the degree is to lie with the Board of Examiners of the Faculty which will act through the Dean on the advice of the Associate Dean concerned with Research.

2. The responsibility for supervision of the administrative procedures concerned with the degree will lie with the Associate Dean and members of the Research Committee who will act and report through the Dean to the Board of Examiners and, if requested, to the Faculty.
3. 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.

4. The minimum acceptable qualifications for the supervisor of a candidate for the degree is an appropriate higher degree.

5. In response to an application for candidature, the Associate Dean concerned with Research will, in consultation with the candidate, the proposed supervisor and the head(s) of the department(s) or school(s) in which the work is to be undertaken, ensure that the Faculty's requirements are satisfied in respect of:
   (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.

6. Recommendations for approval of each candidature will be made by the Associate Dean concerned with the degree course through the Dean to the Board of Examiners 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.

7. The Research Committee 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 grades awarded in examinations; and
   (d) report, to the Board of Examiners, the grades awarded to all candidates.

8. The assessment and examination procedures are defined as follows:
   (a) Each candidate, in the presence of one or more members of the Research Committee, shall give an introductory seminar which outlines the proposed program of study and research.
   (b) Each candidate, in the presence of one or more members of the Research Committee, shall give an open seminar at the end of the program of study to present the results of the research. An assessment of the seminar would normally be given by the members of the committee who attend.
   (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 November, recommended by the Research Committee and approved by the Board of Examiners. Late submission will normally disqualify a candidate from consideration for Honours Class I for the BSc(Vet) degree. The dissertation must be in a form approved by Faculty and must be no longer than 100 A4 pages overall.
   (d) The dissertation shall be examined by two examiners, at least one of whom should normally be from outside the department in which the work was done and neither of whom should normally be a supervisor of the candidate.
   (e) Each candidate shall be examined on the topic of the dissertation at a viva voce examination conducted by the two examiners. Members of the Research Committee and the supervisor(s) may attend this examination.
   (f) The examiners shall separately write reports giving their independent assessments of the dissertation and making separate recommendations to the Associate Dean concerned with Research. The examiners shall propose a joint mark and write a joint report on the viva voce examination.
   (g) The dissertation is to represent 70%, the viva voce examination 20%, and the assessment of the final seminar 10% of the total assessment for the award of the degree.

9. 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.

10. Honours shall be awarded according to the following scale:
    
    | Grade (%) | Class  |
    |-----------|-------|
    | 75+       | Class I |
    | 65-74     | Class II |
    | 50-64     | Class III |

11. If a grade is less than 50%, the degree will not be awarded.

12. 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.

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 units of study shall not be entitled to re-enrol in that degree course 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 unit of study or year after the end of lectures in that unit or year.

4. The Dean, Pro-Dean or a Sub-Dean of a Faculty, Director or Deputy Director of a College or the Chairperson of a Board of Studies, may act on behalf of that Faculty, College Board or Board of Studies in the administration of these resolutions unless the Faculty, College Board or Board of Studies concerned decides otherwise.

Withdrawal from full-year and February Semester Units of Study

5. A candidate for a degree of Bachelor who discontinues enrolment in a full-year or February Semester unit on or before 30 March in that year shall be recorded as having withdrawn from that unit.

Withdrawal from July Semester Units of Study

6. A candidate for a degree of Bachelor who discontinues enrolment in a July Semester unit on or before 30 August in that year shall be recorded as having withdrawn from that unit.

All Faculties, Colleges and Boards of Studies except the Faculty of Engineering

Discontinuation

7. (1) A discontinuation of enrolment in a unit of study 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 July Semester for a full-year unit, or
   (b) up to the last day of the seventh week of teaching in a one-semester unit.
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 July Semester for a full-year unit, or
(b) after the last day of the seventh week of teaching in a one-semester unit.

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 course (degree or diploma) shall not be entitled to re-enrol in that course unless the candidate is readmitted to candidature for that course.

3. Subject to paragraphs (i) and (ii) of section 1, candidates may not discontinue enrolment in a course after the end of classes in that course, unless the degree or diploma regulations permit otherwise.

4. The Dean, Pro-Dean or a Sub-Dean of a Faculty, Director or Deputy Director of a College, Chairperson of a Board of Studies or a Chairperson of a Graduate School may act on behalf of that Faculty, College, Board of Studies or Graduate School in the administration of these resolutions.

Candidates proceeding mainly by coursework

Withdrawal from full-year and February Semester courses

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

Withdrawal from July Semester units of study

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

Discontinuation

9. A candidate who discontinues enrolment in a course 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.

Extract from Resolutions of the Senate relating to Restriction upon Re-enrolment

20. (1) The Senate authorises the Faculty of Veterinary Science to require a student to show good cause why he or she should be allowed to repeat Second Year in the Faculty of Veterinary Science if he or she has already taken more than one year to qualify for admission to Second Year.

(2) The Senate authorises the Faculty of Veterinary Science to require a student to show good cause why the student should be allowed to repeat First Year in the Faculty of Veterinary Science if that student has failed all the subjects of the First Year in the Faculty of Veterinary Science or has obtained a weighted average mark of less than 40% in those subjects.

Assessment and examinations periods

There are three formal examination periods:

<table>
<thead>
<tr>
<th>Period</th>
<th>When held</th>
<th>Approximate duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>February semester</td>
<td>June</td>
<td>2-3 weeks</td>
</tr>
<tr>
<td>July semester</td>
<td>November</td>
<td>3-4 weeks</td>
</tr>
<tr>
<td>Supplementary</td>
<td>January/February</td>
<td>2 weeks</td>
</tr>
</tbody>
</table>

In addition, individual faculties and departments may examine at other times and by various methods of assessment, such as essays, assignments, viva voce, practical work, etc. Some departments do not examine during February semester.

Supplementary examinations

Supplementary examinations, which are held in January/February, may be granted by a faculty, college or board of studies:

(a) to candidates who have been prevented by duly certified illness or misadventure from completing an examination, or
(b) to candidates who have failed in any examination, but whose work is deemed sufficient to warrant the concession of a further test.

Supplementary examinations should be regarded as distinct privileges, not as rights.

Timetables

Draft timetables are displayed at the Carslaw building, outside the Student Centre, approximately 3-4 weeks before the commencement of examinations. Notice will be given in the "News" and on departmental noticeboards. 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.

Notification of examination results

The results of annual examinations are displayed on noticeboards at the Carslaw building, outside the Student Centre. Also they are posted through the mail service directly to you at the end of the year.
Disclosure of examination marks

Final marks will appear on your annual result notice. Marks may also be obtained from your faculty for the major 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 which involve the repeated use of the same material in successive examinations. Examination marks (as opposed to examination grades) are treated as personal information and therefore disclosed only to the student concerned. However, information will be made available to help you gauge your comparative performance in class.

Examination grades

Each unit taken will be allotted one of the following grades at the annual examinations:

<table>
<thead>
<tr>
<th>Grade</th>
<th>per cent</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Distinction</td>
<td>85-100</td>
</tr>
<tr>
<td>Distinction</td>
<td>75-84</td>
</tr>
<tr>
<td>Credit</td>
<td>65-74</td>
</tr>
<tr>
<td>Pass</td>
<td>50-64</td>
</tr>
<tr>
<td>Fail</td>
<td>below 50</td>
</tr>
</tbody>
</table>

Award of examination grades

It is important to note that the University does not use a set formula for determining the number of specific examination grades to be awarded in particular units of study. However there is a policy of the Academic Board on trying to achieve equity between faculties on the number of merit grades to be awarded in units of study. This policy is printed below.

'The following proportions of merit grades to be awarded in each unit of study are provided to examiners as indicative only. They are certainly not to be considered as quotas. The proportions have been refined over the years to provide a basis for equity of examination results between faculties, particularly the 'generalise faculties of Arts, Economics and Science. Equity of examination results is important in its own right, but is crucial when Honours students are being considered for the award of Commonwealth Postgraduate Scholarships. Please note that the proportions are cumulative and are based on the number of students who gain a Pass or better in the particular unit.

<table>
<thead>
<tr>
<th>%</th>
<th>%</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Distinction</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>First year units</td>
<td>3</td>
<td>14</td>
</tr>
<tr>
<td>Second year units</td>
<td>3</td>
<td>16</td>
</tr>
<tr>
<td>Third year units</td>
<td>4</td>
<td>18</td>
</tr>
</tbody>
</table>

The proportions of merit grades may vary from unit to unit and from year to year, reflecting different capabilities of different groups. Any variations will be compared with previous years and the proportions will continue to be refined in the light of experience.'

Illness or misadventure

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

You may apply (in writing) for special consideration of your examination performance on grounds of illness or misadventure. In the case of illness a medical certificate should be provided. The minimum requirements of a medical certificate are that it:

(a) be submitted and signed by your own medical practitioner and indicate the dates on which you sought attention;
(b) certify unambiguously a specified illness or medical disability for a definite period;
(c) indicate the degree of your incapacity, and express a professional opinion as to the effect of your illness on your ability to take an examination.

Certificates in connection with annual or supplementary examinations should be submitted prior to the examinations, unless the illness or misadventure takes place during the examinations, in which case the evidence must be forwarded as soon as practicable, and in any case before the close of the examination period. There is a special form available at the Student Centre and at the University Health Service for submission with medical certificates.

For consideration on the grounds of misadventure, your application must include a full statement of circumstances and any available supporting evidence.

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

The need to seek early advice

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

Postgraduate study

Higher degrees and postgraduate diploma
Higher degrees
The higher degrees in the Faculty of Veterinary Science are:
MScVetSc—Master of Science in Veterinary Science
MVSc—Master of Veterinary Science
MVetClinStud—Master of Veterinary Clinical Studies
MVetStud—Master of Veterinary Studies
PhD—Doctor of Philosophy
DVSc—Doctor of Veterinary Science

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

A candidate for the degree in the subject area of Veterinary Anaesthesia shall pass written and/or oral examinations in each of the following subjects:
- The theory and practice of general anaesthesia;
- The theory and practice of regional analgesia;
- Pharmacology of drugs used for and in association with anaesthesia and intensive care;
- Anatomy, Physiology, Biochemistry and Physics considered in relation to anaesthesia and intensive care;
- Pre-operative assessment, preparation and medication, and the recognition and management of post-operative complications in so far as they are related to anaesthesia and surgery;
- Fluid therapy and management of cases requiring intensive care.

A candidate for the degree in the subject area of Avian Health and Production shall pass written and/or oral examinations in each of the following subjects:
- Therapeutics
- Medicine
- Surgery.

Higher degrees and postgraduate diploma
Higher degrees
The higher degrees in the Faculty of Veterinary Science are:
MScVetSc—Master of Science in Veterinary Science
MVSc—Master of Veterinary Science
MVetClinStud—Master of Veterinary Clinical Studies
MVetStud—Master of Veterinary Studies
PhD—Doctor of Philosophy
DVSc—Doctor of Veterinary Science

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

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

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

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

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

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

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

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

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

(a) complete satisfactorily and submit a report on an approved full-time program of study of at least one semester's duration at an institution which is concerned with the maintenance and care of wildlife and has been approved by the Faculty; and

(b) present a report embodying the results of an original investigation carried out on a full-time basis over not less than one semester in the University of Sydney, or at an institution which is concerned with the maintenance and care of wildlife and has been approved by the Faculty; or complete satisfactorily a report, including a case report, on an approved full-time program of study of at least a further one semester at an institution as described in section (a); and

(c) pass written and/or oral examinations that encompass the following subjects:
   - Management of captive animals
   - Management of free living wildlife
   - Zoological medicine
   - Diseases of free living wildlife
   - Nutrition and reproduction of wildlife.

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

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

(a) present a report embodying the results of animal cases examined while at the institution of study;

(b) present a seminar based on a case or cases examined while at the institution of study; and

(c) pass a viva voce examination in each of the following subject areas
   - The theory of general pathological principles
   - The theory of diseases affecting zoo animals and wildlife.

The practical aspects of necropsy technique, general laboratory techniques and histopathological skills.

Doctor of Philosophy

Graduates who hold the degree of Master of Veterinary Science, Master of Veterinary Clinical Studies, 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 an examination at an equivalent standard. 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.
Scholarships: postgraduate

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

<table>
<thead>
<tr>
<th>Scholarship</th>
<th>Value</th>
<th>Closing date</th>
<th>Qualifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Restricted to Veterinary Science postgraduates</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lionel Lonsdale Clinical Fellowships</td>
<td>16 500 Jnr</td>
<td>As advertised</td>
<td>For research at Sydney Veterinary Teaching Hospital and Clinic in diseases of domestic animals</td>
</tr>
<tr>
<td>F.H. Loxton Postgraduate Studentships</td>
<td>equivalent to 22 500 Snr APA</td>
<td></td>
<td>Male graduates of any university for research in veterinary science</td>
</tr>
<tr>
<td>Sara and Anne Payten Canine Cancer Research Fund</td>
<td>As recommended by Head of Dept of Vet Clin Sciences</td>
<td>As advertised</td>
<td>Postgraduate study and research</td>
</tr>
<tr>
<td>Jean Walker Trust Fellowships</td>
<td>equivalent to APA</td>
<td>15 November</td>
<td>Postgraduate study and research</td>
</tr>
<tr>
<td>Jean Walker Trust Supplementary Fellowships</td>
<td>maximum 5000</td>
<td>15 November</td>
<td>Postgraduate study and research</td>
</tr>
<tr>
<td>James Ramage Wright Research</td>
<td>maximum 5000</td>
<td>15 November</td>
<td>Postgraduate Scholarships study and research into the problems of animal production</td>
</tr>
<tr>
<td>2. Other awards open to Veterinary Science postgraduates</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(a) Tenable at the University of Sydney</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Australian Postgraduate Awards (APA)</td>
<td>15 364 per annum</td>
<td>October</td>
<td>Open to permanent residents of Australia for higher degree by research</td>
</tr>
<tr>
<td>(b) Travelling scholarships</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Harriett Beard Scholarship</td>
<td>9000</td>
<td>November</td>
<td>Postgraduate study and research in physical sciences—engineering, veterinary science and dentistry</td>
</tr>
<tr>
<td>Boulton Postgraduate Scholarship</td>
<td>9000</td>
<td>November</td>
<td>Postgraduate study or research for graduates educated within the Australian public educational system</td>
</tr>
<tr>
<td>C.G. Heydon Travelling Fellowship</td>
<td>10 500</td>
<td>November</td>
<td>Postgraduate study or research in biological sciences at overseas institutions</td>
</tr>
<tr>
<td>William and Catherine McIlrath</td>
<td>25 000</td>
<td>November</td>
<td>Postgraduate study or Scholarship research overseas within four years after qualification for the first degree appropriate to the proposed course of study overseas</td>
</tr>
<tr>
<td>J.B. Watt Travelling Scholarship</td>
<td>9000</td>
<td>November</td>
<td>Postgraduate study or research overseas within four years after qualification for the first degree appropriate to the proposed course of study overseas</td>
</tr>
<tr>
<td>Eleanor Sophia Wood Travelling Fellowships</td>
<td>35 000</td>
<td>November</td>
<td>Postgraduate study or research overseas</td>
</tr>
<tr>
<td>Eleanor Sophia Wood Postgraduate Research</td>
<td>9000</td>
<td>November</td>
<td>Postgraduate study or research overseas within four years after qualification for the first degree appropriate to the proposed course of study overseas</td>
</tr>
<tr>
<td>(c) Grants-in-aid</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Restricted to Veterinary Science postgraduates</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sir Ian Clunies Ross Scholarship</td>
<td>up to 500</td>
<td>End February</td>
<td>Postgraduate candidature related to research in the wool industry</td>
</tr>
<tr>
<td>N.P.H. Graham Scholarship</td>
<td>up to 500</td>
<td>End February</td>
<td>Postgraduate candidature related to research in sheep medicine</td>
</tr>
<tr>
<td>Goldia and Susie Lesue Scholarship</td>
<td>up to 3000</td>
<td>End February</td>
<td>Postgraduate candidature in the Department of Veterinary Clinical Sciences</td>
</tr>
<tr>
<td>Neil and Allie Lesue Scholarship</td>
<td>up to 3000</td>
<td>End February</td>
<td>Postgraduate candidature in the Department of Veterinary Clinical Sciences</td>
</tr>
<tr>
<td>Eric Horatio Maclean Scholarships</td>
<td>up to 1000</td>
<td>End February</td>
<td>Postgraduate candidature</td>
</tr>
<tr>
<td>Stock and Meat Industries Grant-in-Aid</td>
<td>up to 750</td>
<td>End February</td>
<td>Postgraduate candidature in research related to the Stock and Meat Industries</td>
</tr>
<tr>
<td>Other grants-in-aid open to Veterinary Science postgraduates</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Royston George Booker Scholarships</td>
<td>up to 1000</td>
<td>31 May</td>
<td>Postgraduate study or research overseas</td>
</tr>
<tr>
<td>Herbert Johnson Travel Grants</td>
<td>up to 1000</td>
<td>31 May</td>
<td>Postgraduate study or research overseas</td>
</tr>
<tr>
<td>J. Kentley Memorial Scholarship</td>
<td>up to 1000</td>
<td>31 May</td>
<td>Postgraduate study or research</td>
</tr>
<tr>
<td>James King of Irrawang Travelling Scholarship</td>
<td>up to 1000</td>
<td>31 May</td>
<td>Postgraduate study or research overseas</td>
</tr>
<tr>
<td>G.H.S. and L.R. Lightoller Scholarship</td>
<td>up to 1000</td>
<td>31 May</td>
<td>Postgraduate study or research overseas</td>
</tr>
</tbody>
</table>
8. Other Information

Faculty Specific Information

Administration

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,
- 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.

Booklists
Copies of textbook and reference book lists for each year are available from the office.

Noticeboards
The main Faculty noticeboards are in the ground-floor corridor of the J.D. Stewart Building. These noticeboards should be checked regularly.

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

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

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

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

Noticeboards
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.

Information about examinations is displayed at the Carslaw Building, outside the Student Centre, from time to time. There are also several permanent noticeboards in the Main Quadrangle area, notably beneath the Western Tower.

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.

International students
International students are required to make application to the International Office. International students already studying at schools in Australia should apply to the Universities Admissions Centre.

Sponsored international students
The Australian International Development Assistance Bureau (AIDAB), which is the overseas aid unit of the Australian Department of Foreign Affairs and Trade, has a responsibility for the welfare of sponsored international students and their families. The address of the Bureau in Sydney is:

2nd Floor
'Sydney Central'
477 Pitt Street
Sydney 2000. Tel. (02) 9379 8888.

Private international students
Private subsidised international students should advise the Department of Employment, Education and Training (DEET) of their address and enrolment details by writing to the Overseas Student Section, PO Box 9880, Canberra, A.C.T. 2601.

Private subsidised international students continuing their studies should confirm their enrolment with the Overseas Student Section as early as possible each year in order to ensure that arrangements for the extension of their temporary entry permit can be made.

All subsidised students must advise the department if they change their semester residential address during the year. Telephone enquiries should be directed to 008 812 698 (toll-free).

Private fee-paying international students
Private fee-paying international students must advise the International Office of any changes of address. Any enquiries about fee payments, enrolments and any other problems can be made to the International Education Office on (02) 9351 4079 or 9351 4161.

Advisers to international students
The International Office has been established to help all international students with application and enrolment procedures and any other problems they may encounter.

The International Student Services Unit on the main campus and the Advisory Centre for Overseas Students (Cumberland College campus) can help with any problems arising during an international student's stay in Australia.

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 and physics practical classes. The lists indicating these class sections will be displayed outside the relevant laboratories before the beginning of the semester.

You must attend the classes only at the times indicated.

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 classes without permission you may be refused permission to take the examinations.

Discontinuation
If you are contemplating discontinuing you should consult 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.

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.

Foundations
Postgraduate Foundation in Veterinary Science
The purpose of the Foundation has been to fund postgraduate continuing veterinary education. The Foundation raises funds 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.

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.

J.D. Stewart Veterinary Science Foundation
The establishment of the J.D. Stewart Veterinary Science Foundation was approved by Senate in March 1986.

The Foundation was established to, inter alia, promote veterinary research at the University of Sydney; however, its prime objective has been to raise funds for the construction of a new building to house the Department of Veterinary Pathology.

The Foundation has played a major role in securing $3 million from the Commonwealth Government for the University to purchase the McMaster Laboratory from the CSIRO. Following refurbishment this is now occupied mainly by the Department of Veterinary Anatomy and Pathology.

Additional funding from a major bequest, the corporate sector, veterinary graduates and students and the Postgraduate Foundation, has resulted in the construction of a new 250 seat conference centre on the Faculty precinct.

The affairs of the Foundation are being conducted by a Council chaired by the Right Honourable J.D. Anthony, CH.
List of Staff by Departments

1. Staff

FACULTY

Dean
Professor David R. Fraser, PhD Camb. BVSc

Pro-Dean
Professor Michael M. Bryden, BVSc Qld DScVM Cornell PhD DSc, FAIBiol

Associate Deans

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

Camden Campus

Associate Professor Garry M. Cross, MVSc PhD

Postgraduate-Education
Professor Reuben J. Rose, BVSc PhD, DVSc, DipVetAn, FRCVS FACBS MAGVSc

Professional and Community Relations

Research
Professor Alan. J. Husband, PhD DSc N'cle (N.S.W.) BScAgr, FASM

Undergraduate Education

Sub-Dean. Student Welfare

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

Secretary to the Faculty

Mary Haswell, BA

Administrative Assistants

Tess La-Lande
Patricia Moroney
Lyn Robson

Finance Officer

Ienny Recio

DEPARTMENTS

Animal Science

Sydney

Professor
David R. Fraser, PhD Camb. BVSc

Appointed 1986

Associate Professors

Gareth Evans, BA Oxf. PhD
Chis Maxwell, BScAgr PhD
Christopher Moran, PhD J.N.U. BSc
Frank W. Nicholas, PhD Edin. BScAgr
Grant M. Stone, BScAgr PhD

Senior Lecturer

David L. Evans, BVSc PhD

Lecturers

Melanie Collier, BSc PhD Leeds
Paul McGreyer, iBVSc PhD Brist.
Rosanne M. Taylor, BVSc PhD

Associate Lecturer

Michelle L.J.HyHe, BScAgr PhD

Senior Technical Officers

Irene van EkrisJBS BSc J.C.U.
Angelika Truhe

Research
Professor Alan. J. Husband, PhD DSc N'cle (N.S.W.) BScAgr, FASM

Undergraduate Education

Sub-Dean. Student Welfare

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

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Senior Technical Officers

Irene van EkrisJBS BSc J.C.U.
Angelika Truhe

Technical Officers

Dung T. Doan
Kim Heasman
Helen Hughes
Michael Lensen
Kerry Murdoch
Andrew Souter

Administrative Assistant

Margaret Byrne

Camden

Associate Professors

Derick Balnaves, PhD DSc Self, FRSCheM
Wayne L. Bryden, MRurSc DipEd N.E. PhD
James M. Gooden, B A GrSc Adel. PhD

Senior Lecturer

Peter C. Wynn, MRurSc DipEd N.E. PhD

Senior Technical Officer

Chris Stimson

Technical Officers

John McClure
Kaylene A. Sceanneour

Administrative Assistant

Elizabeth Thomas

Animal Attendants

Melinda Jones
Kim McKeen

Honorary Appointments

Emeritus Professors

E.F. Annison, PhD DSc Lond.
C.W Emmens, PhD DSc Lond. HonDVsSc, FSS FAA HonFACVSc

Honorary Associates

J. Black, PhD Melb.
R. Cart, PhD EastAnglia
R. Giles, PhD
P. Healy, BVSc PhD
Y. Heynold, DVM Berne
A. Jackson, PhD Monash

Veterinary Anatomy and Pathology

Professor
Michael M. Bryden, BVSc Qld DScVM Cornell PhD DSc, FAIBiol

Appointed 1988

Hughes Professor

Alan I. Husband, PhD DSc N'cle (N.S.W.) BScAgr, FASM

Appointed 1992

Associate Professors

Paul J. Canfield, BVSc PhD, FACVSc MRCPath MRCVS
Diana N. Love, PhD DVSc, FRCPth MASM FACBS

Senior Lecturers

G. Henry Collins, BVSc Brist. PhD Massey, MRCVS
Gary S. Grohmann, BSc(Hons) UN.S.W. PhD, FASM
Paul R. Hopwood, DipTertiaryEd N.E. BVSc PhD, MRCVS
Nicholas C. Sangster, BSc(Vet) BVSc PhD
Lecturers
Rhondda B. Canfield, BVSc PhD, MRCVS
Malcolm P. France, BVSc PhD
Glenn M. Shea, BVSc PhD

Associate Lecturer
Susan Hemsley, MVSc PhD

Senior Research Fellow
Vivienne E. Reeve, BSc PhD

Research Fellow
Noriko Nishimura, MFoodSc Kyoto Women’s Uni PhD Aichi MU

Professional Officer, Grade IV
David L. Griffin, BSc Macq. DipMT A.I.M.L.T., MAIMS

Professional Officer Grade I
Denise I. Wigney, BVSc DipVetPath

Professional Assistant Grade II
Patricia A. Martin, MVSc

Research Officer
Shisan Bao, MB BS S.S.M. U. (P.R. of China) PhD

Research Assistant
Greg Nowak, BBiotech(Hons) W'gong

Postdoctoral Research Fellows
Jeffrey Downing, DipAgr Wagga Agric. Coll. BSc PhD Macq.
Nicola Kingsford, BScAgr BSc(Hons) PhD
Aleta Knowles, BSc(Hons) PhD Old
Wendy Muir, BScAgr(Hons) PhD

Senior Technical Officers
Richard Borg
B ozena Iantulik
Sally E. Pope, BTHC
George Tsoukalas, PTHC
Karen L. Wadwell, PTHC BAppSc(MedLabSci) C. Sturt

Technical Officers
Elaine Chew, BSc DipPathTech STC
Monita Dias, BSc UTS
Norman Dow
Taurie Mitchell, BSc W'gong
Svetlana M. Patoka, BSc Inst. ofKriboy Rog MTC
Don Slade

Laboratory Assistants
Frank Taecker, BSc Macq.

Executive Assistant
Nanette R. Lawrence

Administrative Assistants
Lyn Hicks
Lyndell M. Tollefsen

Honorary Appointments
Emeritus Professors
R.M. Butterfield, PhD DVSc Old MVSc, FACVSc
C.H. Gallagher, PhD Lond. DVSc, FACVSc FRCPath

Honorary Associates
D.H. Cato, MSc PhD
G.D. Bailey, BVSc PhD DipVetClinStud
T.J. Lockett, Bsc (Hons) Adel. Phd Adel.

Veterinary Clinical Sciences
Sydney
Professor
Brian R.H. Farrow, BVSc PhD FACVSc
Appointed 1995

Associate Professors
A. David J. Watson, BVSc PhD, FRCVS FAAVPT MACVSc
Andrew K.W. Wood, PhD Melb. MVSc DipVetRadi

Senior Lecturers
Phillip E. Davis, MVSc, MRCVS
Geraldine B. Hunt, BVSc MVetClinStud PhD, FACVSc
Richard Malik, PhD A.N. U. BVSc MVetClinStud DipVetAn, FACVSc, MASm
William L. Porges, HDAHawkesburyAgric. Coll. DipEd(Tert) Darling Downs I.A.E. BVSc PhD, MRCVS

Superintendent of the Veterinary Teaching Hospital and Senior Lecturer
David B. Church, BVSc PhD, MACVSc

Clinical Registrars
Vanessa Barrs, BVSc
Jason Beck, BVSc, MACVSc
David Simpson, BVSc, MVCS
Graham Swinney, BVSc DVCS, MACVSc

Clinical Residents
Sue Foster, BVSc
Penny Tisdall, BVSc

Visiting Lecturers/Demonstrators
Graeme S. Allan, MVSc DipACVRad, FACVSc
Anthony P. Black, BVSc, FACVSc
Richard Dixon, MS Iowa MVSc DipACVRad, MACVSc MRCVS ARACVR
Jeffrey S. Smith, BVSc DipACVO, FACVSc
Don Turner, BVSc PhD, FACVSc
R. Max Zuber, BVSc, FACVSc

Senior Technical Officer
Dorothy R. Lewis, MSc Br. Col.

Radiographer
Helen M. Laurendet, BSc(Appl), MIR

Accounts Clerk
Maureen Mahoney

Animal Attendants
Rhonda L. Foreman
Angela Howie
Antonio Nastasi
Janelle Patten
Georgia Phillips

Administrative Assistants
Leenie Deadman
Sarah Ingham
James M. Posen
Patricia Roberts

Honorary Appointments
Emeritus Professor
M.J. Edwards, MVSc Liv. PhD DVSc, MRCVS MACVSc

Honorary Associate
C.R. Howlett, BVSc PhD, MRCVS MACVSc

Camden
Professor in Veterinary Clinical Studies (Personal Chair)
Reuben J. Rose, BVSc PhD DVSc DipVetAn, FRCVS FACBS MACVSc
Appointed 1989

Associate Professors
Garry M. Cross, MVSc PhD
Robert J. Love, MVSc PhD Brun., FACVSc

Associate Professor and Superintendent of the Rural Veterinary Centre
David R. Hodgson, BVSc PhD DipACVIM, FACBS FACSM MRCVS

Senior Lecturers
Robert J. Dixon, BSc(Vet) BVSc PhD Massey
Anthony W English, BVSc PhD Old, MACVSc RFD
Robert J. Rawlinson, BVSc DVR, FACVSc
Lecturers
Kym A. Abbott, BVSc MVS, FACVSc
Jennifer L. Hodgson, BVSc DipVetPath PhD Washington State

Senior Veterinary Registrars
Andrew Dart, BVSc DipVetClinStud DipACVS
Elizabeth Dill-Macky, BVSc DipVetClinStud
Sarah Goldsmid, BVSc MVetClinStud, FACVSc
Stephen A. McClinton, BVSc MVetClinStud, MACVSc
Robert Rhenberger, BVSc, MACVSc MRCVSc
Robert C. Whitting, BVSc, FACVSc

Clinical Pathologist
Allan Kessell, BVSc, MVCS

Clinical Residents
Mamie Coulton, BVSc DipVetClinStud
Lucile Creis, BVSc
Bradley Dowling, BVSc
Nicholas Malikides, BVSc DipVetClinStud
Neil Moss, BVSc

Interns
Petra Cernikova, BVSc DipVetClinStud
Janine Dwyer, BVSc
Craig Kelly, BVSc DipVetClinStud
Rachel Lambeth, BVSc
David Searle, BVSc

Nursing Staff
Julie Bennetts
Karen Ross

Principal Research Fellow
Herman W. Raadsma, MSc(Agr) PhD

Administrative Officer
Warren J. Kelly, AICM

Senior Technical Officer
Marilyn Jones

Technical Officers
Sandra Biffin
Ron Henderson
Craig L. Kristo
Jiri Tasler

Research Assistants
Om P. Dhungyel, BVSc MScVetSc
Shirley P. Ray, BAppSc N.S. W.I. T. MSc N.S. W. DipEd

Laboratory Assistant
Eileen Risby

Animal Attendants
Raymond Clissold
Barry Gray
Barry Hall
David Palmer
Matthew Van Dijk

Administrative Assistants
Helen Frappell
Selena Marcusson
Deanna Rickard
Colleen Retchard
Katherine Shepherd

Honorary Associates
J.B. Mattick, PhD Monash BSc
J.I. Rood, BSc PhD Monash

TEACHING STAFF FROM OTHER FACULTIES

Biochemistry
Associate Professor
Michael B. Slaytor, MSc PhD

Biology
Director of First Year Biology
Mary Peat, BSc Birm. PhD Brist.

Biometry
Lecturer
Peter C. Thomson, MSc MAppStat Macq. PhD

Chemistry
Director of First Year Studies
Raymond K. Pierens, MSc PhD, MRSCheM MRACI CChem

Crop Sciences
Senior Lecturer
Dennis R. de Kantzow, BScAgr DipAgrEc, FAIAS

Pharmacology
Senior Lecturer
Jill E. Maddison, BVSc PhD DipVetClinStud, FACVSc

Physics
Lecturer in charge of First Year courses
Rosemary Millar
# Scholarships and prizes: undergraduate

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

<table>
<thead>
<tr>
<th>Scholarship or prize</th>
<th>Value</th>
<th>Qualifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Matriculation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alexander Donald</td>
<td>250</td>
<td>Student from Sydney Grammar School</td>
</tr>
<tr>
<td>Martin McIlrath</td>
<td>500</td>
<td>Male student—preference to sons of ex-servicemen</td>
</tr>
<tr>
<td><strong>Undergraduate</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Australian College of Veterinary Scientists (Chapter of Veterinary Pharmacology)</td>
<td>plaque</td>
<td>Proficiency in Veterinary Pharmacology and Toxicology</td>
</tr>
<tr>
<td>Australian Small Animal Veterinary Association Prize</td>
<td>300 + medal +</td>
<td>Proficiency in small animal medicine and surgery</td>
</tr>
<tr>
<td>Australian Society for Parasitology</td>
<td>200</td>
<td>Proficiency in 4th year Veterinary Parasitology</td>
</tr>
<tr>
<td>Auxiliary to the Australian Veterinary</td>
<td>80</td>
<td>Proficiency in Biochemistry</td>
</tr>
<tr>
<td>Association (N.S.W. Division) Prize</td>
<td>book</td>
<td>Veterinary Physiology in 2nd year and 3rd year</td>
</tr>
<tr>
<td>Australian Veterinary Association</td>
<td>50</td>
<td>Proficiency in Veterinary Pathology</td>
</tr>
<tr>
<td>Auxiliary to the Australian Veterinary</td>
<td>(voucher)</td>
<td>Clinical Pathology Veterinary Clinical Pathology</td>
</tr>
<tr>
<td>Association (N.S.W. Division) Prize in Anatomy</td>
<td>50</td>
<td>Greatest improvement in 3rd year after having passed 2nd year with more than 60%</td>
</tr>
<tr>
<td>Auxiliary to the Australian Veterinary</td>
<td>(books)</td>
<td>Proficiency in 2nd year in Veterinary</td>
</tr>
<tr>
<td>Association (N.S.W. Division) Prize in Animal Genetics</td>
<td>50</td>
<td>Proficiency in Animal Genetics</td>
</tr>
<tr>
<td>Baker &amp; Ridley Memorial</td>
<td>150</td>
<td>Proficiency in 4th year Animal Husbandry PracticalReport</td>
</tr>
<tr>
<td>H.G. Belschner</td>
<td>100</td>
<td>Proficiency in 1st year in sheep and wool</td>
</tr>
<tr>
<td>Bloodhorse Breeders’ Association of Australia (N.S.W. Division)</td>
<td>100</td>
<td>Proficiency in 5th year in Equine</td>
</tr>
<tr>
<td>Rex Butterfield Prize in Veterinary Anatomy</td>
<td>50</td>
<td>Proficiency in 2nd year in Veterinary</td>
</tr>
<tr>
<td>H.R. Carne Prize and Medal</td>
<td>100 + medal</td>
<td>Proficiency in the examinations for the degree of Bachelor of Science (Veterinary)</td>
</tr>
<tr>
<td>Commonwealth Bureau of Animal Health</td>
<td>40</td>
<td>Proficiency in 4th year in Veterinary Surgery</td>
</tr>
<tr>
<td>Cooper Australia Ltd.</td>
<td>225</td>
<td>Proficiency in 4th year in Veterinary Parasitology</td>
</tr>
<tr>
<td>C.W. Emmens Prize in Veterinary Physiology</td>
<td>100</td>
<td>Highest aggregate marks in 2nd and 3rd year Veterinary</td>
</tr>
<tr>
<td>Farr Memorial</td>
<td>50</td>
<td>Physiology in sequential years</td>
</tr>
<tr>
<td>Friskies Pet Care Prize in Animal Nutrition</td>
<td>300</td>
<td>Proficiency in 3rd year in principles of nutrition</td>
</tr>
<tr>
<td>N.P.H. Graham</td>
<td>200</td>
<td>Proficiency in 5th year in the sheep component of Veterinary Medicine</td>
</tr>
<tr>
<td>John Gurner and Frederick Ebsworth</td>
<td>350 each</td>
<td>Proficiency in 1st year in Chemistry, in Physics and in Biology</td>
</tr>
<tr>
<td>(3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robert Reeves Hodgekiss Prize for Equine Research</td>
<td>250</td>
<td>Student essay</td>
</tr>
<tr>
<td>K.G. Johnston</td>
<td>60</td>
<td>Proficiency in Veterinary Clinical Pathology</td>
</tr>
<tr>
<td>Dr J. Landon Memorial</td>
<td>Bursaries</td>
<td>Financial need and academic merit</td>
</tr>
<tr>
<td>Lonsdale</td>
<td>400, 200</td>
<td>Proficiency in 4th year in clinical studies</td>
</tr>
<tr>
<td>William James McHugh</td>
<td>300</td>
<td>Case report in equine medicine or surgery in 4th or 5th year</td>
</tr>
<tr>
<td>Martin McIlrath</td>
<td>490</td>
<td>Proficiency by male students in all years preference to sons of ex-servicemen</td>
</tr>
<tr>
<td>Metro Farms Pty. Ltd. Prize in Pig Medicine</td>
<td>50</td>
<td>Proficiency in final year in pig medicine</td>
</tr>
<tr>
<td>Jack Moran</td>
<td>20</td>
<td>Proficiency in meat inspection in Veterinary Public Health</td>
</tr>
<tr>
<td>Virginia Osborne</td>
<td>250</td>
<td>Proficiency in 2nd year in anatomy of the horse</td>
</tr>
<tr>
<td>W.R. Sidman Memorial Prize—awarded by N.S.W. Division of of Australian Veterinary Association</td>
<td>3 yrs membership</td>
<td>Proficiency in 4th year in Veterinary Assoc clinical studies</td>
</tr>
<tr>
<td>Beri Sinkovic Poultry Medicine Prize</td>
<td>200</td>
<td>Proficiency in 5th year in poultry medicine</td>
</tr>
<tr>
<td>Stewart</td>
<td>180</td>
<td>Proficiency in 4th year in veterinary medicine</td>
</tr>
<tr>
<td>J.D. Stewart</td>
<td>60</td>
<td>Student essay</td>
</tr>
<tr>
<td>S.T.D. Symons</td>
<td>500</td>
<td>Proficiency in final year in clinical subjects</td>
</tr>
<tr>
<td>Uncle Ben’s of Australia Pty Ltd</td>
<td>50</td>
<td>Proficiency in 4th year in small animal medicine</td>
</tr>
<tr>
<td>WIRES Wildlife Prize</td>
<td>250</td>
<td>Best final year essay relating to Australian native wild life</td>
</tr>
</tbody>
</table>
Facilities and Student Societies

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

Academic developments at Camden
Most development is at the Corstorphine Centre. Land from the original gift of the industries boards has been set aside for use by two departments of the Faculty of Veterinary Science and the Department of Agronomy of the Faculty of Agriculture. The faculty departments with major responsibilities at Camden are Animal Science and Veterinary Clinical Sciences. These departments are based in the J.L. Shute Building on Werombi Road. The Department of Animal Science has developed laboratories and other facilities for research in dairy cattle, poultry, sheep and meat. The Rural Veterinary Centre is a major component of the Department of Veterinary Clinical Sciences. It is a mixed veterinary practice, providing services to the district. This department has also established and maintains separate pig and deer units.

In 1981 the University acquired a farm at Cobbitty. Here the Faculty of Veterinary Science has a horse breeding unit, and the Department of Animal Science's animal reproduction unit is also located at the same site. Postgraduate training is a strong feature of the work of academic departments at Camden. Graduate students from Australia and overseas are engaged in research projects mostly concerned with primary industry disease and production problems. Some of their work entails the use of livestock on the University farms.

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

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

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

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

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

The Rural Veterinary Centre, staffed by the Department of Veterinary Clinical Sciences, in addition to offering a veterinary service for the district, provides clinical training for fifth year students. Student usage of the farms takes two forms. In the first year, students take day excursions to the farms where they receive lectures and are given practice in animal handling and management. In fifth year they are in residence on the farms for the whole academic year as well as for a vacation period of three weeks working in the clinic.

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

Corstorphine
To reach Corstorphine from Sydney, take Hume Highway (not the freeway) to the Cobbitty turn-off, which is to the right, 20 km from the Liverpool Post Office. Follow the road through Cobbitty to the Nepean River, cross the bridge, turn left and travel another 800 metres.

The telephone numbers are:
The University of Sydney (Camden)—(02) 9351 1622
Rural Veterinary Centre—(02) 9351 1777
Students—(02) 9351 1288, (02) 9351 1281, (02) 9351 1282,
(02) 9351 1283, (02) 9351 1285

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 $160.00 per week in 1998.

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 himself in or out of the Hall:
   (a) may be fined by the Warden,
   (b) may be suspended from residence in or attendance at the Hall by the Warden for a period not exceeding one month,
   (c) may be suspended for any period by the Warden of the Hall or the Vice-Chancellor of the University,
   (d) may be fined by the Council or the Vice-Chancellor in any amount, or
   (e) may incur any penalty in accordance with academic usage which the Senate, the Proctorial Board of the University, the Council or the Vice-Chancellor or any other person authorised within the by-laws of the University may impose.

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

Addresses
The University of Sydney (Camden), 425 Werombi Road (Private Mail Bag 3), Camden 2570; telephone (02) 9351 1622, fax (02) 9351 1664.
Departments of Veterinary Clinical Sciences and Animal Science, 425 Werombi Road (Private Mail Bag 3), Camden 2570.
Department of Veterinary Clinical Sciences:
telephone (02) 9351 1611, fax (02) 9351 1618.
Department of Animal Science:
telephone (02) 9351 1665, fax (02) 9351 1693.
Rural Veterinary Centre, 410 Werombi Road, Camden 2570;
telephone (02) 9351 1777, fax (02) 4655 1212.
Nepean Hall, 345 Werombi Road, Camden 2570;
telephone (02) 9351 1662, fax (02) 9351 1690.
Horse Unit, 65 Cobbitty Road, Cobbitty 2570;
telephone (02) 4651 2283.
Lansdowne Farm, 74 Cobbitty Road, Camden, 2570;
telephone (02) 4651 2328.
May Farm, May Farm Road, Mt Hunter, Camden 2570;
telephone (02) 4654 5239.
McGarvie Smith Animal Husbandry Farm, Elizabeth Drive, Badgery's Creek, 2171; telephone (02) 4774 8184.
Plant Breeding Institute, 107 Cobbitty Road, Cobbitty 2570;
telephone (02) 9351 8800, fax (02) 9351 8875.
Wolverton Dairy Farm, Greendale Road, Bringley 2171;
telephone (02) 4774 8013.

Libraries
Badham Library
Badham Library holds most of the material needed by veterinary science staff and students, especially in the later years of their courses. The Library covers the fields of agriculture, plant industry and agricultural economics, botany, zoology, genetics and veterinary science.
The Library is open during semester from Monday to Friday between 8.30 am and 7.30 pm and on Saturday between 10.00 am and 5.00 pm. Vacation hours vary and are posted in the Library.
Other libraries containing material of use to veterinary science students are Fisher Library (first-year students) and the Hector Geddes Library at the University farms, Camden.
Books, but not periodicals, may be borrowed from these libraries. Use of reserve material is for limited periods only. Photocopying facilities are available.

Mathematics Learning Centre
The Mathematics Learning Centre offers help to students who enter the University with insufficient preparation in mathematics to enable them to cope with the mathematical requirements of their chosen course.
Older students who may not have done mathematics for several years and some overseas students may need some help with biometry in first year Veterinary Science. If you are doubtful whether you are well enough prepared for a course, you should contact the Mathematics Learning Centre for advice.
The Centre can help you decide which topics you need to do extra work on. It provides resources for individual study, with guidance from tutors.

Location
The Centre is on the fourth floor of the Carslaw building. Any student seeking assistance should call at the Centre, or phone 9351 4061.

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 dinner, an annual dance and end-of-semester social gatherings, and arranges for the regular delivery of addresses on general and scientific topics. The journal of the society, Centaur, is published each year (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
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 toward the end of the year.
History of the Faculty

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

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

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

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 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.

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

Admissions Office
Student Centre
Ground Floor
F07 - Carslaw
The University of Sydney
NSW 2006 Australia
Phone: +61 93514117
+61 93514118
+61 2 9351 3615 - Special Admissions (including Mature Age)
Fax: +61 93514869
E-mail: admissions@records.usyd.edu.au
This office services prospective local undergraduate students.
Applicants without Australian citizenship or permanent residency should contact the International Office. Postgraduate students should contact the appropriate faculty.

Assessment
For matters regarding assessment, refer to the relevant Department.

Co-op Bookshop
Transient Building
F12-Transient
The University of Sydney
NSW 2006 Australia
Phone: +61 9351 3705
+61 93512807
Fax: +61 2 9660 5256
E-mail: sydu@mail.coop-bookshop.com.au
Sells textbooks and general books. Special order services available.

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 two weeks 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. You also choose your first-year units of study, so it’s important to consult the Handbook before enrolling.

All other students
The Student Information Bulletin is sent to all enrolled students in early to mid-October, and contains instructions on the procedure for pre-enrolment.

Examinations
Examinations and Exclusions Office
Student Centre
Level 1
F07 - Carslaw
The University of Sydney
NSW 2006 Australia
Phone: +61 93514005
+61 93514006
Fax: +61 93517330
E-mail: Exams.Office@exams.usyd.edu.au
The Examinations and Exclusions Office looks after exam papers, timetables and exclusions.

First-year timetable
A print-out of first-year lecture and tutorial times is available from the Faculty Office.

Graduations
Ground Floor, Student Centre
F07 - Carslaw
The University of Sydney
NSW 2006 Australia
Phone: +61 93514009
Fax: +61 93515072
E-mail: Naomi@records.usyd.edu.au

(Grievances) Appeals
Many decisions about academic and non-academic matters are made each year and you may consider that a particular decision affecting your candidature for a degree or other activities at the University may not have taken into account all the relevant matters. In some cases the by-laws or resolutions of the Senate (see Calendar Volume 1) 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.

Normally a matter should be resolved by discussing it with the academic staff member concerned, or with a senior member of staff within the department. However, a situation could arise where you might wish to have a decision reviewed or to draw attention to additional relevant information. In this case you should put your case in writing to the head of department and if you're still not satisfied with the result you should contact your Dean. Only after following these steps can you appeal to the Senate. In the case of examination results the appeal may be made to the department. Parking appeals should be addressed to the Manager, Campus Services. You may wish to seek assistance or advice from the SRC regarding an appeal; if so, contact the

Education/Research Officer
Level 1
Wentworth Building
Phone: +61 9660 5222

HECS, fees, other charges
Phone: +61 2 9351 5659, 9351 2086, 9351 5499 and 9351 5062
Fax: +61 93515081
+61 93515350

Library (Fisher)
F03 - Fisher Library
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 2993 — Enquiries - Information Desk
+61 2 9351 3711 — Library Hours
+61 2 9351 7273 — Borrowers' Cards
+61 2 9351 6692 — Holds Enquiries
+61 2 9351 7277 — Inter-library Loans
+61 9351 2265 — Loans, overdues enquiries
Fax: +61 2 9351 2890 — Administration
+61 2 9351 7278 — Renewals
E-mail: loanenq@library.usyd.edu.au — Loan and Library enquiries
reqill@library.usyd.edu.au — Inter-library Loans
Part-time, full-time

A student is normally considered as full-time if they have a HECS weighting of at least .375 per 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 and Freedom of Information

The NSW Freedom of Information (FOI) Act 1989 provides the public with a legally enforceable right of access to University documents, subject to particular exemptions. In addition, the Act enables individuals to ensure that information held about them is accurate, up-to-date and complete. The University has a number of policies permitting access by individuals to information about themselves without recourse to the Freedom of Information Act.

The University necessarily accumulates a great deal of information on individuals; within the University, access to this is restricted to staff who need the information to carry out their duties. As regards external requests for personal information, it is policy that the University will disclose information to a third party if the subject of the information has consented in writing to the disclosure, or if the University has a legal obligation to respond to a request, including a subpoena, and the request is in the appropriate written form. Enquiries should be directed to the:

Freedom of Information Coordinator and Privacy Officer
c/- Archives-A14
Phone: +61 2 9351 4263
Fax: +61 2 9351 7304
E-mail: trobinso@mail.usyd.edu.au

Financial Assistance

Phone: +61 2 9351 13853
Fax: +61 2 9351 4865
E-mail: psweet@mail.usyd.edu.au

Other student assistance

Careers Centre
Room 147, Ground Level
KOI - Mackie Building (Arundel St, Forest Lodge)
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 13853
Fax: +61 2 9351 13481
E-mail: srawling@careers.usyd.edu.au — General Enquiries
asharp@careers.usyd.edu.au — Library
Provides careers advice and information, Graduate Employment Services and graduate Labour market information to students and staff.

Centre for Continuing Education (bridging courses)
KOI - Mackie
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 13853
Fax: +61 2 9351 13481
E-mail: einfo@cce.usyd.edu.au
Website http://www.usyd.edu.au/homepage/exterel/cont_edu/cont_edu.htm

Health service

Level 3, G01 - Wentworth
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 3484 — Wentworth
+61 2 9351 3483 — Holme
+61 2 9351 3495 — Mallett
Fax: +61 2 9351 1438 — Wentworth
+61 2 9351 3483 — Holme
+61 2 9351 3483 — Mallett
E-mail: P.Brown@unihealth.usyd.edu.au
Provides full general practitioner services and emergency medical care to the University community.
Koori Centre
Room U201
A22 - Old Teachers' College
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 2046 — General Enquiries
+61 2 9351 7001 — Liaison Officer
+61 2 9351 7073 — Student Counsellor
Fax: +61 93516923
E-mail: adminoff@koori.usyd.edu.au
Website: http://www.koori.usyd.edu.au/centre/
The Koori Centre runs the AEA training program, supports Aboriginal and Torres Strait Islander students on campus and during enrolment. There is also an educational unit which supports Aboriginal studies in the University.

Language Centre
Room 312, A19 - Griffith Taylor
A18 - Christopher Brennan
The University of Sydney
NSW 2006 Australia
Phone: +61 2 93512683
Fax: +61 93514724
E-mail: Langcent.Enquiries@language.usyd.edu.au
Website: http://www.arts.usyd.edu.au/language.centre/intro.html
Provides self-access course materials in over 100 languages; beginners and intermediate courses in Spanish language and Culture; beginners and advanced courses in Celtic languages and cultures.

Mathematics Learning Centre
Room 441
F07 - Carslaw
The University of Sydney
NSW 2006 Australia
Phone: +61 2 93514061
Fax: +61 93515797
E-mail: MLC@mail.usyd.edu.au
Website: http://www.usyd.edu.au/su/mlc/MLC.html

Scholarships
Research and Scholarships Office
Scholarships Administration Room N410.1, A14
A14 - Main Quadrangle
The University of Sydney
NSW 2006 Australia
Phone: +61 2 93513250
Fax: +61 93513256
E-mail: scholars@reschols.usyd.edu.au
Website: http://www.usyd.edu.au/homepage/exterel/su/reschols/index.html

International students
International Office
Level 2
K07 - Margaret Telfer
The University of Sydney
NSW 2006 Australia
Phone: +61 2 93514161
+61 93514079
Fax: +61 93514013
E-mail: info@io.usyd.edu.au

International Student Services Unit
Level 2
K07 - Margaret Telfer Building
The University of Sydney
NSW 2006 Australia
Phone: +61 2 93514749
Fax: +61 93514013
E-mail: info@issu.usyd.edu.au

Website
http://www.usyd.edu.au/su/issu/ International Student Services Unit
Website
int_student_centre.html
Provides an advisory and counselling service to international students at The University of Sydney.

Student organisations
Students' Representative Council
Level 1, Wentworth G01
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 2871 — President, Honi Soit
+61 2 9660 4756 — Bookshop
+61 2 9660 5222 — Legal Aid
Fax: +61 2 9660 4260
University of Sydney Union
Box 500 Holme Building
A09 - Holme
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9563 6000 — Switchboard/Enquiries
+61 2 9563 6282 — Academic Dress
+61 2 9563 6103 — ACCESS Centre, Manning
+61 2 9563 6269 — Campus Store, Holme
+61 2 9563 6016 — Campus Store, Wentworth
+61 2 9563 6160 — Clubs and Societies Office
+61 2 9563 6010 — School Tutoring Co-ordinator
+61 2 9563 6032 — Union Broadcasting Studio
+61 2 9563 6115 — Welfare and Information Services Manager
Fax: +61 2 9563 6239
E-mail: enquiries@union.usyd.edu.au
Website: http://www.usu.usyd.edu.au/
Provides welfare, social and recreational services to the University community.

Sydney University Sports Union
G09 - Sports and Aquatic Centre
The University of Sydney
NSW 2006 Australia
Phone: +61 2 93514960
Fax: +61 2 93514962
Provides services, facilities and clubs for sport, recreation and fitness.

Women's Sports Association
Room 214
A30 - Sports Centre
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9660 6355
+61 2 93512057
Fax: +61 2 9660 0921
E-mail: jlawler@mail.usyd.edu.au
Website: http://www.usyd.edu.au/su/suwsa/welcome.html
Provides for students, predominantly women, to participate in sport and recreation through the provision of facilities, courses and personnel.
10. Glossary of Terms

Applying for a course

Admissions
The Admissions Office is responsible for overseeing the distribution of offers of enrolment and can advise prospective students regarding admission requirements.

Application
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 Dentistry and Sydney College of the Arts, have additional application procedures.

Mature age
A category of Special Admission applicants who are 21 years or older on 1 March of the year in which they want to study and who do not have the high school qualifications normally required for entry into a course.

Special Admission
Certain categories of applicants, such as mature-age applicants, students who have experienced educational disadvantage or Aboriginal or Torres Strait Islander applicants, may apply for admission to the University under one of several Special Admission schemes. Contact the Special Admissions office for further information.

TER
The Tertiary Entrance Rank (TER) is the numerical expression of a student's performance in the NSW Higher School Certificate (HSC), which takes into account both assessment and examination results.

Universities Admissions Centre (UAC)
The organisation that processes applications for most NSW undergraduate university and TAFE courses.

Enrolment and general terms

Academic year
The period during which teaching takes place, from February to November. The academic year is divided into two semesters.

Advanced standing
(See also: Credit) Recognition of previous experience or studies, meaning that the candidate has satisfied the entry requirements for a unit. Advanced standing does not reduce the number of credit points required to complete the degree course.

Associate Diploma
The undergraduate award granted following successful completion of Associate Diploma course requirements. An Associate Diploma course usually requires less study than a Diploma course.

Assumed knowledge
The level of knowledge expected for entry to a Unit of Study. Unlike prerequisites, levels of assumed knowledge are not compulsory for entry to a Unit. Students who do not have the assumed knowledge may, however, be at a considerable disadvantage and may consider completing a bridging course prior to enrolment. Contact the Learning Assistance Centre, Mathematics Learning Centre, Language Centre or Centre for Continuing Education for further information.

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

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

Chancellor
(See also: Vice-Chancellor) The non-resident head of the University.

Combined degree course
A program consisting of two degree courses taken together, which usually requires less time than if the courses were taken separately.

Core
(See also: Elective/Option) A Unit of Study that is compulsory for the course or subject area.

Corequisite
A Unit of Study that must be taken with a given Unit. If a corequisite is not successfully completed, it becomes a prerequisite for further study in that subject area.

Course
A complete degree or diploma program.

Credit
(See also: Advanced standing) Recognition of previous studies or studies completed at another institution. If credit is granted then the number of credit points required for completion of the degree course is reduced.

Credit point
A measure of value indicating the contribution each Unit of Study provides towards meeting course completion requirements stated as total credit point value.

Dean
The head of a faculty.

Deferment of enrolment
Persons who have not previously attended a recognised tertiary institution are normally able to defer commencement of their candidature for one year. Applications are handled by the Admissions Office of the University. Application for deferment must be made during the UAC enrolment week at the "Deferment" desk in MacLaurin Hall and be accompanied by the "offer of enrolment" card.

Degree
The award conferred following successful completion of a degree course (for example Bachelor's degree or Master's degree).

Department/School
The academic unit responsible for teaching in a given subject area.

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 for graduates only.

Doctorate
(See also: PhD) The Doctorate awards and the PhD are the highest 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 of the University of Sydney.

Elective/Option
(See also: Core) A Unit of Study that may be taken towards, but is not compulsory for, a course or subject area.

Enrolment
The process whereby an applicant officially accepts the offer of a place in a particular course. If UAC application is successful, an "offer of enrolment" card is mailed to the applicant, along with instructions for enrolment. In most cases, the applicant must attend the University on a particular enrolment day or, if unable to attend, must appoint somebody to enrol on their behalf. Units of Study [for February Semester or whole of First Year?] must be nominated on enrolment day. Academic records and HECS liability calculations are based on the enrolment details, so students must ensure that the Faculty holds correct enrolment information (see also: Variation of enrolment).

Entry requirement
The level of knowledge and/or experience required for entry to a particular Unit of Study.
Faculty
The administrative unit responsible for overseeing satisfactory progress during a degree or diploma course.

Full-time
A study load usually defined in terms of HECS weighting of at least .375 per semester.

Intermediate
Faculty of Science: Second-year level.

Junior
First-year level.

Laboratory practical
See: Practical.

Lecture
(See also: Tutorial) A class given to a large group of students, during which the lecturer speaks or presents audiovisual material and students take notes.

Major
The subject area(s) in which a student specialises at Senior level. Students usually specialise in one (single major) or two (double major) subject areas. The major is usually recorded on the testamur.

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 undergraduate level.

Minor
Subject areas in which a student studies, but does not specialise at Senior level.

Orientation period
"O' Week" takes place during the week prior to lectures in February semester. 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
A study load usually defined in terms of HECS weighting of less than .375 per semester.

PhD
(See also: Doctorate) 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 of the University of Sydney.

Postgraduate
The term used to describe a course leading to an award such as Graduate Diploma, 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.

Practical
Similar to a tutorial, during which experiments or other relevant applied activities are carried out.

Prerequisite
A Unit of Study that must be taken prior to entry to a given Unit.

Recommended reading
Reading material that is suggested but not compulsory for a Unit of Study.

Registrar
The head of the administrative divisions of the University.

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 the Orientation period (O' Week). Note that unlike enrolment, registration is not a formal record of Units attempted by the student.

Resolutions of Senate
Regulations determined by the Senate of the University of Sydney that pertain to degree and diploma course requirements and other academic matters.

School
Similar to a large Department, otherwise a grouping of Departments.

Semester
A period of fourteen weeks during which teaching takes place. There are two semesters per year for most faculties.

Senior
Second-year level or higher.

Faculty of Science: third-year level.

Subject area
One or more Units of Study that comprise a particular field of study (e.g., Japanese or Chemistry).

Textbook
Reading material that the student is expected to own.

Tutorial
(See also: Lecture) A small class consisting of a tutor and up to about 25 students, during which concepts raised in lectures are discussed in detail and may be supplemented with readings, demonstrations and presentations.

Undergraduate
The 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 stand-alone component of a degree or diploma course that is recordable on the academic transcript.

Variation of enrolment
The process whereby students officially notify the Faculty of changes regarding the Units of Study they are attending. This must be done by a certain deadline in each semester, to avoid penalties such as "discontinued" results on the academic transcript (see: Results) or unnecessary HECS charges.

Vice-Chancellor
(See also: Chancellor) The administrative head of the whole University, including academic and administrative divisions.

Costs

Bursary
A sum given to a student who has limited resources or is experiencing financial hardship, ranging from $100 to $1,000.

Fees (full-fee undergraduate/postgraduate)
Tuition, examination or other fees payable to the University by an enrolled or enrolling student in connection with a course of study or attendance at the University and includes fees payable in respect of the granting of a degree, diploma, associate diploma or other award. It does not include annual subscription to organisations such as the Union or SRC or fees payable in respect of residential accommodation.

HECS
All Australian undergraduate students are currently required to contribute to the cost of tertiary education through the Higher Education Contribution Scheme (HECS) which is administered under the Higher Education Funding Act 1988. Under HECS students pay for part of the cost of their higher education and the Commonwealth pays the rest. The amount payable is determined by the units of study a student chooses to undertake in the case of coursework awards, or the attendance (full-time or part-time) in the case of research students.

Prize
Matriculation, undergraduate and postgraduate funding automatically awarded on academic results in courses, yearly examinations or on the recommendation of the Head of Department. There are also prizes for essay writing and composition by anonymous application. Prize values range from $100 to $6,250.

Scholarship
Matriculation and undergraduate funding by application awarded on TER results for students enrolling in the first year of a degree course. Postgraduate funding for full-time candidates enrolled in a research degree course with scholarship conditions and benefits varying according to specific awards. The intention is to encourage and support scholarship at the University in general or in targeted areas.

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Assessment, Examination, Satisfactory Progress and Graduation

Academic transcript/record
The official record of results for each student (see: Results).

Appeals
The process whereby a student may raise objections regarding results, Faculty decisions or other academic matters.

Assessment
(See also: Examination) The appraisal of a student's ability throughout the semester, by various means such as essays, practical reports or presentations, which counts towards the final mark or grade.

Candidate
Someone studying for a degree or diploma. The term may also be used to describe someone sitting for an examination.

Examination
(See also: Assessment) The appraisal of a student's ability, usually at the end of semester. Most examinations take place on campus under strictly supervised conditions but some Units make use of take-home or open-book examinations.

Exclusion
A ruling by the Faculty, which declares the student ineligible for further enrolment for reasons such as lack of satisfactory progress. Students who wish to re-enrol must show good cause why they should be allowed to re-enrol (see: Show cause and Satisfactory progress).

Grievances
see appeals

Grade
A category into which a student's final mark falls (see: Results).

Graduand
A person who has fulfilled the requirements of a degree but is yet to graduate.

Graduate
(See also: Postgraduate) A person who has graduated. Also a term used to describe a course leading to an award such as Master's degree or PhD or a student enrolled in such as course.

Graduation
The ceremony during which degrees are conferred and diplomas awarded.

Honours degree
A Bachelor's degree for which extra work (course work and/or thesis) has been completed, usually requiring an extra year of study.

Mark
(See also: Grade) The numerical result of assessments and/or examinations for a Unit of Study, which may be converted to a grade.

Pass degree
A Bachelor's degree.

Re-enrolment
The process by which continuing students enrol in Units of Study.

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:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Mark Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Distinction</td>
<td>85% and above</td>
</tr>
<tr>
<td>Distinction</td>
<td>75-84%</td>
</tr>
<tr>
<td>Credit</td>
<td>65-74%</td>
</tr>
<tr>
<td>Pass</td>
<td>50-64%</td>
</tr>
</tbody>
</table>

Terminating Pass whereby the student is deemed to have completed Unit requirements, but is not permitted to re-enrol in order to attempt to achieve a higher grade.

Fail         a mark of less than 50%

Withdrawn This is the same as if the candidate had not enrolled in the course concerned. Although the University has a record of the withdrawal, the course and result will not appear on the official academic transcript. There is no HECS liability either. In order to have a course recorded as "withdrawn", notice must be given by the candidate to the Faculty office or before the deadline. Refer to the section on degree regulations.

Discontinued with Permission This does not count as an attempt at the particular course, but does appear on the candidate's academic record. A candidate may have enrolment recorded as "discontinued with permission" where: 1. notice is given to the faculty office on or before the deadline or; 2. after the deadline, evidence is produced of serious illness or misadventure. Refer to the section on degree regulations for deadlines. Discontinuation with permission does not mean that the student's progress is considered to be satisfactory.

Discontinued This counts as an unsuccessful attempt at the course concerned and appears on the candidate's academic record. Where notice is given after the deadline for "discontinued with permission" but before the last day of lectures for the course, the result is "Disc". Refer to the section on degree regulations for deadlines.

Absent Fail If the candidate misses the deadline for "discontinued" and does not sit the final exam, the result is "absent fail".

Satisfactory progress
A minimum standard of performance required for continuation of enrolment. Senate resolutions rule that if a student fails or discontinues a year of candidature or a Unit of Study more than once then he or she is ineligible for re-enrolment (see: Exclusion and Show cause). Note that some faculties may have alternative or additional requirements for satisfactory progress.

Show cause
The Faculty may require a student to show good cause why he or she may be allowed to continue in the degree or diploma course, where requirements for satisfactory progress have not been met (see: Exclusion and Satisfactory progress).

Special consideration
The process whereby enrolled students who have experienced significant educational disadvantage may have their assessment deadlines or grades revised.

Study Vacation (Stuvac)
The week prior to the examination period in each semester, during which no classes are held.

Supplementary examination
An extra or alternative examination taken by a student who has experienced significant educational disadvantage during semester or the examination period. Note that some faculties do not offer supplementary examinations (see also: Special consideration).

Suspension of candidature
A complete break in the studies of an enrolled student, usually for a period of one year. Applications are handled by the Faculty office. (Those wishing to postpone commencement of a course need to apply for deferment, see: Deferment of enrolment).

Testamur
The document given to the graduand at graduation.

Thesis
A piece of written work (sometimes called a dissertation) by a student, normally a candidate for an Honours degree or a higher award (such as Master's degree or PhD).

Weighted Average Mark (WAM)
A numerical expression of a student's performance throughout their degree program, usually assigning more "weight" to Senior or Honours years. Note that the WAM calculation may differ for purposes such as eligibility to various scholarships and will vary from faculty to faculty.