VETS30015 Veterinary Bioscience: Cells to Systems

Credit Points: 12.50

Level: 3 (Undergraduate)

Dates & Locations:

2011, Parkville

This subject commences in the following study period/s:
Semester 1, Parkville - Taught on campus.

Time Commitment: Contact Hours: 72 Total Time Commitment: 120 hours

Prerequisites:

Students must have successfully completed the follwoing subjects prior to enrolling in this subject:

Subject	Study Period Commencement:	Credit Points:
VETS20014 Foundations of Animal Health 1	Semester 1	12.50
VETS20015 Foundations of Animal Health 2	Semester 2	12.50

and **ONE OF** the following two subjects

Subject	Study Period Commencement:	Credit Points:
BCMB20002 Biochemistry and Molecular Biology	Semester 1, Semester 2	12.50
BIOM20001 Molecular and Cellular Biomedicine	Semester 1	25

Corequisites:

Students studying the Vet Bioscience specialisation must enrol in the following subjects:

Subject	Study Period Commencement:	Credit Points:
VETS30016 Veterinary Bioscience: Digestive System	Semester 1	12.50
VETS30017 Veterinary Bioscience: Metab & Excretion	Semester 1	12.50

Students studying the Animal Disease Biotechnology specialisation must enrol in the following subject:

Subject	Study Period Commencement:	Credit Points:
VETS30011 Animal Disease Biotechnology 1	Semester 1	12.50

Recommended Background Knowledge: None

Non Allowed Subjects: None

Core Participation Requirements: Prospective students are advised to familiarise themselves with the Faculty's Academic Requirements Statements http://www.vet.unimelb.edu.au/docs/CoreParticipationReqs.pdf and http://www.vet.unimelb.edu.au/docs/CoreParticipationReqsBSc.pdf.

Coordinator: Assoc Prof Wayne Kimpton

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Subject Overview: This capstone subject takes a multi-disciplinary approach to the investigation of health and disease in domestic animals. Students will be introduced to the structural and functional organisational units of the body and to the fundamental principles of veterinary anatomy, physiology, biochemistry, harmacology, general pathology and nutrition. Students will gain the theoretical knowledge and practical laboratory skills that are fundamental to an appraisal of the health of domestic animals, and to their future studies in the Veterinary Bioscience major.

Objectives:	This subject aims to provides a road map of key concepts within the disciplines of anatomy, physiology, biochemistry, pharmacology, general pathology and nutrition, that will equip students embarking on systems based integrated and applied studies in veterinary bioscience.
Assessment:	a 2-hour end-of-semester examination (80%)a one hour within semester test (20%)
Prescribed Texts:	None
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Related Course(s):	Bachelor of Science
Related Majors/Minors/ Specialisations:	Animal Disease Biotechnology (specialisation of Animal Health and Disease major) Veterinary Bioscience (specialisation of Animal Health and Disease major)