VETS30012 Animal Disease Biotechnology 2

Credit Points: 12.50

Level: 3 (Undergraduate)

Dates & Locations:

2012, Parkville

This subject commences in the following study period/s:
Semester 2, Parkville - Taught on campus.

Time Commitment: Contact Hours: 60 Total Time Commitment: 100 hours

Prerequisites:

Students must have successfully completed the following subjects:

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
VETS30011 Animal Disease Biotechnology 1	Semester 1	12.50
VETS30015 Veterinary Bioscience: Cells to Systems	Semester 1	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: None

Recommended Background Knowledge: None

Non Allowed Subjects: None

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

Coordinator: Assoc Prof Jean-Pierre Scheerlinck

Contact: Email: **jeanps@unimelb.edu.au (mailto:jeanps@unimelb.edu.au)**

Subject Overview: This subject expands on the themes developed in Animal Disease Biotechnology 1, and introduces students to teh concepts of zoonosis and the role of animal health surveillance in maintaining the health of human populations. The subject may include industry placements, with opportunities to develop laboratory skills in areas such as haematology, biochemistry, serology, microbiology, molecular biology, anatomic pathology and toxicology.

Objectives: This course aims to prepare students for careers in animal health and disease surveillance. Its objectives are to equip students with an understanding of techniques used to assess the health of individual animals and populations of animals, as well as an understanding of the biological basis of these tests. Students satisfactorily completing this course will also acquire skills in performing a range of laboratory tests used in monitoring the health of populations of animals.

Assessment:	a 2-hour end-of-semester examination (80%) assessment of laboratory based exercises (tests and report writing) (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 Majors/Minors/ Specialisations:	Animal Disease Biotechnology (specialisation of Animal Health and Disease major) Science-credited subjects - new generation B-SCI and B-ENG. Core selective subjects for B-BMED.