

VETS90038 Haemato, Neurologic & Global Conditions

Credit Points:	12.5
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	This subject is not offered in 2016. The online contact hours include; online tutorials online lectures exercises webinars
Time Commitment:	Contact Hours: 36 hours Total Time Commitment: 170 hours
Prerequisites:	To enrol in this subject, you must be admitted in the Graduate Certificate in Small Animal Emergency and Critical Care. This subject is not available for students admitted in any other courses.
Corequisites:	None
Recommended Background Knowledge:	Experience in small animal veterinary practice.
Non Allowed Subjects:	None
Core Participation Requirements:	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Commonwealth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Overview, Objectives, Assessment and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this course are encouraged to discuss this matter with the Student Equity and Disability Support Team: http://www.services.unimelb.edu.au/disability/
Contact:	School of Melbourne Custom Programs Email: TL-postgrad@unimelb.edu.au (mailto:TL-postgrad@unimelb.edu.au)
Subject Overview:	This subject focuses on neurologic, musculo-skeletal, haematological, endocrine, global emergencies and transfusion medicine. This subject will increase understanding of both pathophysiology and clinical aspects of the following conditions; traumatic brain injury, spinal trauma, open fractures, traumatic wounds, burns, hyperthermia, toxicities, coagulopathies, IMHA, IMT, anaphylaxis, diabetes ketoacidosis, Addisonian crisis, and transfusion of red cells and plasma. Both fundamental pathophysiological and clinical aspects of these areas will be covered allowing students to build on knowledge that was acquired as an undergraduate leading to a deeper understanding and improved clinical confidence in these areas. This subject will introduce the cell based model of coagulation, pathophysiological principles of SIRS, sepsis and DIC and discuss the diagnosis and critical care of patients with these conditions.
Learning Outcomes:	At the completion of the subject, students should be able to; <ul style="list-style-type: none"> # apply knowledge of anatomy, physiology, pathology and therapy in order to successfully manage neurologic, musculoskeletal, haematological, endocrine and global emergencies # to explain the cell based model of coagulation and how this relates to inflammation # describe the pathophysiology of traumatic brain, spinal injury, and global conditions such as SIRS, sepsis, DIC, trauma, hyperthermia, toxicities and anaphylaxis # to demonstrate effective assessment and management of global conditions such as SIRS, sepsis, DIC, trauma, burns, hyperthermia, toxicities and anaphylaxis # to demonstrated understanding of the pathophysiology, assessment, diagnosis and treatment of Australian snake envenomation, tick paralysis and toad toxicity # to demonstrate knowledge and understanding of the use of transfusion therapy including appropriate indications, limitations and risks # apply the core principles covered in this subject to case studies
Assessment:	Self-assessment by multiple choice questions following each tutorial (10 MCQ takes 20 minutes for each of 10 tutorials - 200 minutes total) and one prior to subject completion - 20% Open-book multiple-choice examination of 50 questions which takes 100 minutes during the exam

	week - 50% Interpretation of 25 case studies assessed by structured questions pertaining to each case (5 MCQ per case) throughout the semester. Total time is 250 minutes - 30%
Prescribed Texts:	Small Animal Critical Care Medicine 2 nd Ed. By Silverstein and Hopper Students will be provided with additional reading material online.
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
Generic Skills:	On completion of this subject students should have developed: <ul style="list-style-type: none"> # problem-solving skills # analytic skills # increased confidence in tackling unfamiliar problems # the capacity to manage competing demands on time
Links to further information:	http://www.commercial.unimelb.edu.au/courses
Related Course(s):	Graduate Certificate in Small Animal Emergency and Critical Care