

ROYAL AGRICULTURAL UNIVERSITY MODULAR SCHEME

<i>Sheet updated:01/06/16</i>		
Module Code CMCAD1	Module Title 3:Animal Disease and Immunology	Module Leader Varvara Vladimirova
School which owns module	School of Agriculture, Food and Environment	
Programme(s) to which module belongs	FdSc in Animal Management and Zoology (core)	
Module Level 4	Module Credits 20	Pre-Requisites None
Minimum Study Time 200	Contact Hours within Study Time 60	Teaching Period October - May
<p>Module Content</p> <p>This module aims to develop students' understanding of applied animal health management through a combination of practical hygiene management and prophylactic programme delivery within an animal collection together with investigation of the relationship between host and infective agents within the context of a collection. Students will develop an understanding and knowledge of common pathogens, parasites and zoonotic diseases affecting collections and their prevention, recognition, diagnosis and treatment by application of prophylactic, observational and laboratory skills and techniques. The module explores the mechanisms of disease and immunity, how these can be adjusted and manipulated to maintain animal health and welfare as well as example diseases and the professional use of veterinary medicines to treat and prevent ill health.</p>		
<p>Module Outcomes</p> <p>To achieve credit for this module, students must be able to:</p> <ol style="list-style-type: none"> 1. Describe the role and function of the immune system in animals 2. Evaluate the appropriate management of specific diseases in a range of typical collection animals 3. Review and implement prophylactic measures and assessments for a range of typical collection animals 4. Discuss and demonstrate the safe use of veterinary medicines. 		
Assessment	Description	Weighting
Coursework	Disease and Immune System Presentation (O/C 1 & 2) (10 minutes equivalent to 500 words)	20%
	Health Management Portfolio (O/C 3 & 4) (word count 2500)	40%
Examination	1 x 2 hour Part Multiple Choice and Written Examination (O/C 2&4)	40%

Key Texts:

- Abbas, A.K., Lichtman, A.H.H. and Pillai, S. (2015) *Basic immunology: Functions and disorders of the immune system*. United States: Elsevier - Health Sciences Division
- Callahan, G.N. and Yates, R.M. (2014) *Basic veterinary immunology*. United States: University Press of Colorado.
- Dallas, S., Jewell and Jewell, E. (2014) *Animal biology and care*. 3rd edn. Stafford, QLD: John Wiley & Sons Australia.
- Duncanson, G.R. (2013) *Farm animal medicine and surgery: For small animal veterinarians*. United Kingdom: CABI Publishing.
- Hollander, J.L., Editor, M., Publishing, M. and Merial, S.L. (2008) *The Merck/Merial manual for pet health: The complete health resource for your dog, cat, horse or other pets in everyday language*. United Kingdom: Merck Sharp & Dohme.
- Jepson, L. (2016) *Exotic animal medicine: A quick reference guide*. United States: Saunders.
- Sirois, M. (2016) *Elsevier's veterinary assisting textbook*. United States: Mosby.
- Summers, A. (2013) *Common diseases of companion animals*. United States: Mosby.
- Sykes, J.E. (2013) *Canine and feline infectious diseases*. United States: Saunders
- Tizard, I.R. (2012) *Veterinary immunology: An introduction*. 9th edn. United States: Elsevier Health Sciences.