

ROYAL AGRICULTURAL UNIVERSITY MODULAR SCHEME

<i>Sheet updated:8/6/2016</i>		
Module Code CMCRB	Module Title 6: Management of Reproduction and Breeding	Module Leader Evangelos Achilleos
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 5	Module Credits 20	Pre-Requisites None
Minimum Study Time 200	Contact Hours within Study Time 60	Teaching Period Oct-Jun
<p>Module Content</p> <p>Students will investigate population genetics and the conservation impact of breeding strategies within a variety of national and international animal collections. Compare ethical considerations, animal welfare and the business impact of breeding and reproductive strategies. Review the management of surplus animal stock and the role of endangered species programmes and stud books as well as national and international organisations in species conservation. Students will analyse the role of hormones with regards to gestation/foetal development, hatching and parturition.</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. Consider factors influencing breeding programmes in relation to reproductive strategies. 2. Critically review the implications of population genetics within an animal collection 3. Evaluate the role of endangered species programmes, national and international organisations and stud books in conservation 4. Explain foetal development and interpret the role of hormones in reproduction of vertebrates 		
Assessment	Description	Weighting
Coursework	Scientific report on the management of a breeding programme (Outcome 1 & 2) (2,000 word report)	40%
	Written essay on the role of breeding programmes (Outcome 3 & 4) (1,500 words)	30%
Examination	Examination on the foetal development and hormone roles during reproduction of vertebrates (Outcome 5) (1.30hrs)	30%

Key Texts:

Students should be familiar with the content of at least one of the following
(delete or amend this statement as appropriate):

Dallas S – Animal Biology and Care (Blackwell Publishing Ltd, 2006) ISBN 13:
9781405137959

Boyle M – Biology (Collins Educational, 2008) ISBN 13: 9780007267453

Crew F – Animal Genetics – The Science of Animal Breeding (Read Books,
2006) ISBN 13: 9781406796117

Lochhead W – An Introduction To Heredity And Genetics – A Study Of The
Modern Biological Laws And Theories Relating To Animal And Plant Breeding
(Read Books, 2009) ISBN 13: 9781444602128

Journals

British Journal of Animal Science

Journal of Animal Breeding and Genetics

Genetics Selection Evolution

Journal of Animal Science