

# DASC30013 Animal Systems Analysis

<b>Credit Points:</b>	12.50																		
<b>Level:</b>	3 (Undergraduate)																		
<b>Dates &amp; Locations:</b>	2012, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.																		
<b>Time Commitment:</b>	Contact Hours: 2 lectures (2 x 1 h per week); 1 tutorial (1 h) and a three hour practical (weekly) Total Time Commitment: 72 hours in a total contact time of 120 hours																		
<b>Prerequisites:</b>	A physiology subject at 200 level such as: <table border="1" data-bbox="387 571 1484 719"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>DASC20010 Applied Animal Physiology</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	DASC20010 Applied Animal Physiology	Semester 2	12.50												
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<b>Corequisites:</b>	None																		
<b>Recommended Background Knowledge:</b>	Recommended Background Knowledge: <table border="1" data-bbox="387 857 1484 1232"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>DASC20012 Comparative Nutrition and Digestion</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>DASC20010 Applied Animal Physiology</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>DASC20011 Companion Animal Biology</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>DASC20013 Topics in Animal Health</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>ECOL20003 Ecology</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	DASC20012 Comparative Nutrition and Digestion	Semester 1	12.50	DASC20010 Applied Animal Physiology	Semester 2	12.50	DASC20011 Companion Animal Biology	Semester 1	12.50	DASC20013 Topics in Animal Health	Semester 2	12.50	ECOL20003 Ecology	Semester 2	12.50
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<b>Non Allowed Subjects:</b>	None																		
<b>Core Participation Requirements:</b>	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>																		
<b>Coordinator:</b>	Dr Ian Bland, Ms Ros Gall																		
<b>Contact:</b>	<b>Melbourne School of Land &amp; Environment Student Centre</b> Ground Floor, Land & Food Resources (building 142) <i>Enquiries</i> Phone: 13 MELB (13 6352) Email: <a href="mailto:13MELB@unimelb.edu.au">13MELB@unimelb.edu.au</a> (mailto:13MELB@unimelb.edu.au)																		
<b>Subject Overview:</b>	Effective management of animals requires an appreciation of the context in which management of animals is carried out. This context may be predominantly social, environmental or commercial, but in every case, scientific knowledge must be informed by understanding of individual and societal goals to solve practical problems in the care of animals. This is the domain of systems analysis and thinking. Students will carry out up to 6 case study analyses during the semester, each of which is based on a real world problem or opportunity, and aligns the scientific with the social. Case study analysis will require students to clearly identify the problem to be solved, analyze options for solving the problems and meeting goals, and																		

	communicate their findings to the 'client'. Case study visits are supplemented by lectures and tutorials that develop the theory and practice of systems analysis and thinking. The subject is designed to enable students to work effectively with the owners and managers of animals in bringing about improvements in the way animals are cared for and managed.
<b>Objectives:</b>	On completion of this subject, students should have gained: <ul style="list-style-type: none"> <li># a basic understanding of systems theory and practice;</li> <li># experience in practical situation analysis and skills in problem solving, in 'real world' settings;</li> <li># recognition of the importance of adult learning and decision-making processes in the management of animal industry businesses and natural resources;</li> <li># an understanding of the way technology is adopted in the management of animal industry, businesses and natural resources; and</li> <li># the opportunity to apply knowledge gained earlier in their course to the solution of practical problems</li> </ul>
<b>Assessment:</b>	Four farm management economics case study reports spaced equally through the semester, each equivalent to 1000 words and worth 25% of total marks. Each case study based on a commercial farm business or rural industry.
<b>Prescribed Texts:</b>	Information Not Available
<b>Breadth Options:</b>	This subject potentially can be taken as a breadth subject component for the following courses: <ul style="list-style-type: none"> <li># <b>Bachelor of Arts</b> (<a href="https://handbook.unimelb.edu.au/view/2012/B-ARTS">https://handbook.unimelb.edu.au/view/2012/B-ARTS</a>)</li> <li># <b>Bachelor of Environments</b> (<a href="https://handbook.unimelb.edu.au/view/2012/B-ENVS">https://handbook.unimelb.edu.au/view/2012/B-ENVS</a>)</li> <li># <b>Bachelor of Music</b> (<a href="https://handbook.unimelb.edu.au/view/2012/B-MUS">https://handbook.unimelb.edu.au/view/2012/B-MUS</a>)</li> </ul> <p>You should visit <b>learn more about breadth subjects</b> (<a href="http://breadth.unimelb.edu.au/breadth/info/index.html">http://breadth.unimelb.edu.au/breadth/info/index.html</a>) and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.</p>
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	<ul style="list-style-type: none"> <li># On completion of the subject the students should have developed the following generic skills: Academic excellence, greater in-depth understanding of scientific disciplines of animal systems, their response to constraints for natural resources, finance and education.</li> <li># The student's flexibility and level of transferable skills should be enhanced through improved time management and enhanced ability to communicate their ideas effectively in both written and verbal formats.</li> </ul>
<b>Related Majors/Minors/Specialisations:</b>	Animal Disease Biotechnology (specialisation of Animal Health and Disease major) Animal Science and Management Science-credited subjects - new generation B-SCI and B-ENG. Core selective subjects for B-BMED.