DASC20012 Comparative Nutrition and Digestion

Credit Points:	12.5
Level:	2 (Undergraduate)
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 42 hours Total Time Commitment: 170 hours
Prerequisites:	<table><tr><th>Subject</th><th>Study Period Commencement:</th><th>Credit Points:</th></tr><tr><td>BIOL10002 Biomolecules and Cells</td><td>Semester 1</td><td>12.50</td></tr><tr><td>BIOL10004 Biology of Cells and Organisms</td><td>Semester 1</td><td>12.50</td></tr></table> Either of the above AND 12.5 credit points in a first year Biology subject
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	Q Fever It is a core participation requirement of this subject that students be vaccinated against Q Fever. Do not enrol into this subject if you are unable or unwilling to be vaccinated against Q Fever. For further information please go to: http://students.fvas.unimelb.edu.au/my-studies/q-fever 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 subject are encouraged to discuss this matter with a Faculty Student Adviser and the Disability Liaison Unit: http://www.services.unimelb.edu.au/disability/
Coordinator:	Dr Kristy Digiacomo
Contact:	Email: **kristyd@unimelb.edu.au (mailto:kristyd@unimelb.edu.au)**
Subject Overview:	This subject allows students to develop an awareness of the major physiological processes and metabolic basis of nutritional requirements; to understand the nutritional qualities of food, and develop skills to ensure a balanced diet can be formulated for a range of mammals; to be familiar with the impact of dietary imbalances; and to understand the role of food in behavioural, psychological and social contexts.
Learning Outcomes:	On completion of this subject students should be aware of: # The physiological and metabolic basis of nutritional requirements # The nutritional qualities of particular categories of food # The principles and practices of feed evaluation and ration formulation # The principles and diagnosis of nutritional imbalances and/or malnutrition # Be familiar with computer based nutritional models and simulations to solve complex nutritional problems
Assessment:	A 1000 word written assessment due after Week 8 of semester worth 20% A one-hour multiple choice question exam to be held mid-semester worth 20% A two-hour exam to be held in the end-of-semester exam period worth 60%

Prescribed Texts:	None
Breadth Options:	This subject potentially can be taken as a breadth subject component for the following courses: # **Bachelor of Arts (https://handbook.unimelb.edu.au/view/2016/B-ARTS)** # **Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2016/B-COM)** # **Bachelor of Environments (https://handbook.unimelb.edu.au/view/2016/B-ENVS)** # **Bachelor of Music (https://handbook.unimelb.edu.au/view/2016/B-MUS)** You should visit **learn more about breadth subjects (http://breadth.unimelb.edu.au/breadth/info/index.html)** and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	On completion of the subject the students should have developed the following generic skills: # Academic excellence # Greater in-depth understanding of scientific disciplines and of the practical and ethical aspects of working in the nutrition industry # The student's flexibility and level of transferable skills should be enhanced through improved time management # Enhanced ability to communicate their ideas effectively in both written and verbal formats
Notes:	This subject is available for science credit to students enrolled in the BSc (new degree only). **Q Fever** It is a core participation requirement of this subject that students be vaccinated against Q Fever. Do not enrol into this subject if you are unable or unwilling to be vaccinated against Q Fever. For further information please go to: **http://students.fvas.unimelb.edu.au/my-studies/q-fever (http://students.fvas.unimelb.edu.au/my-studies/q-fever)**
Related Majors/Minors/ Specialisations:	Agricultural Economics Plant and Soil Science Production Animal Health Production Animal Science Science-credited subjects - new generation B-SCI and B-ENG. Selective subjects for B-BMED Sustainable Production