026AA Postgraduate Diploma in Agricultural Science

Year and Campus:	2016
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Graduate/Postgraduate
Duration & Credit Points:	100 credit points taken over 12 months
Coordinator:	Dr Ian Bland
Contact:	Faculty of Veterinary and Agricultural Sciences The University of Melbourne Victoria 3010 Australia **http://fvas.unimelb.edu.au/about/contact (http://fvas.unimelb.edu.au/about/contact)**
Course Overview:	**PLEASE NOTE THAT THIS COURSE IS NO LONGER ACCEPTING NEW STUDENTS. FROM 2015 THIS COURSE HAS BEEN RENAMED TO 'GD-AGSC Graduate Diploma in Agricultural Sciences'** Please note that this course is no longer accepting new enrolments. Students should enrol into the Graduate Diploma in Agricultural Sciences. The Postgraduate Diploma consists of 100 credit points of study. The Postgraduate Diploma may be undertaken as either full-time over one year or part-time study over two years and will be delivered at the Parkville campus. International students may only enrol in the course on a full-time basis. The program comprises of 5 core subjects (6.25 credit points), 1 animal subject (12.5 points) and 2 elective subjects (25 credit points). These cover a range of plant and animal disciplines as well as a focus on current and emerging environmental agricultural and associated industry impacts. The Postgraduate Diploma in Agricultural Science is nested within the first year of the Master of Agricultural Science.
Learning Outcomes:	Student who complete this course will achieve the following course objectives: # to enable student to explore the interdisciplinary nature of agricultural crop, food and fibre production and markets at an advanced level; # to provide students with a sound foundation in the scientific principles and analytical skills behind improved agricultural production systems and their sustainability; # to introduce students to advanced research topics and practical applications within the disciplines of agricultural science; # to introduce students to industrial applications of agricultural science and the commercial outcomes; # to develop a critical understanding of environmental, economic, social and ethical factors related to plant and animal-derived food and fibre production in Australia and globally.
Course Structure & Available Subjects:	The program comprises of five core subjectes (62.5 credit points), one animal subject (12.5 credit points) and two elective subjects (25 credit points).
Majors/Minors/ Specialisations	Agricultural Science
Subject Options:	**Core Subjects** Students must complete all of the following subjects five subjects (62.5 points):

Subject	Study Period Commencement:	Credit Points:
AGRI90066 Soil Science and Management	Semester 1	12.50
AGRI90058 Agronomy & Cropping Systems	Semester 2	12.50

FOOD90024 Securing Sufficient and Healthy Food	Semester 1	12.50
AGRI90057 Climate Change:Agric.Impacts&Adaptation	June, July	12.50
HORT90040 Advanced Plant Breeding and Improvement	Semester 1	12.50

Animal Subject Toolbox

Students must complete one of the following subjects (12.50 points):

Subject	Study Period Commencement:	Credit Points:
DASC90008 Monogastric Science	March	12.50
DASC90010 Dairy Systems	August	12.50

Electives

Students must complete two of the elective subjects below (25 points):

Subject	Study Period Commencement:	Credit Points:
AGRI90013 Financial Management for Agribusiness	Semester 1	12.50
AGRI90012 Agribusiness Management Economics	Semester 2	12.50
AGRI90039 Australian Wine - A World Perspective	July	12.50
NRMT90019 Business Strategy	February	12.50
FOOD90009 Cereal, Legume and Oilseed Technology	Semester 1	12.50
AGRI90030 Concepts in Viticulture and Wine Science	February	12.50
FOOD90012 Current Issues in Dairy Science	Semester 1	12.50
DASC90010 Dairy Systems	August	12.50
FRST90033 Farm Trees & Agroforestry	October	12.50
FOOD90011 Food Biotechnology	Semester 1	12.50
AGRI90019 Fruit and Vegetable Technology	Semester 2	12.50
DASC90011 Genetics and Animal Breeding	August	12.50
EVSC90001 Global Environment and Sustainability	February	12.50
MGMT90018 Managerial Psychology	Semester 1, Semester 2	12.50
NRMT90018 Human Resource Management	Semester 1	12.50
NRMT90017 Leadership	February	12.50
NRMT90002 Management of Plant and Animal Invasions	Semester 2	12.50
AGRI90014 Managing Markets	Semester 2	12.50
FOOD90010 Meat and Meat Products	Semester 2	12.50
DASC90006 Nutrition and Feed Science	September	12.50
AGRI90017 Operations and Decision-making	Not offered 2016	12.50
NRMT90021 Project Management	Semester 2	12.50
AGRI90075 Research Methods For Life Sciences	Semester 1	12.50

MAST90008 Research Philosophies & Statistics	Semester 1	12.50
NRMT90003 Social Research Methods	Semester 1	12.50
DASC90008 Monogastric Science	March	12.50
FOOD90026 The Politics of Food	Semester 1	12.50
FOOD90027 Nutrition Politics and Policy	Semester 2	12.50
FOOD90028 Sensory Analysis and Practice	February	12.50
DASC90013 Adv Reproduction & Breeding Technology	July	12.50
GEOG90019 Indigenous Land Management	July	12.5
FOOD90025 Health Aspects in Functional Foods	Not offered 2016	12.5

Entry Requirements:

The Selection Committee will evaluate the applicant's ability to pursue the course successfully using the following criteria:

an undergraduate degree with at least H3 (65%) average in the final year, or agraduate or postgraduate certificate in any discipline with at least H3 (65%)average, or a graduate or postgraduate diploma in any discipline, with at least H3 (65%) average, or an honours degree in any discipline, or equivalent; and
a curriculum vitae or resume; and
two academic referee reports; and
a personal statement of up to 500 words.

2. The Selection Committee may conduct interviews and tests and may call for further referee reports or employer references to elucidate any of the matters referred to above. Note. Up to 100 points of advanced standing in Master of Agricultural Science may be awarded for the completion of a relevant honours degree or a Postgraduate Diploma in Agricultural Science or equivalent.

Core Participation Requirements:

The Faculty of Veterinary and Agricultual Sciences (FVAS) welcomes applications from students with disabilities. It is University and Faculty policy to take reasonable steps to make reasonable adjustments so as to enable the student's participation in the Faculty's programs. FVAS contributes to the New Generation degrees and offers a broad range of programs across undergraduate and post-graduate levels many of which adopt a multi-disciplinary approach. Students of the Facultys' courses must possess intellectual, ethical, and emotional capabilities required to participate in the full curriculum and to achieve the levels of competence required by the Faculty. Candidates must have abilities and skills in observation; motor in relevant areas; communication; in conceptual, integrative, and quantitative dimensions; and in behavioural and social dimensions. Adjustments can be provided to minimise the impact of a disability, however students need to be able to participate in the program in an independent manner and with regard to their safety and the safety of others. I. Observation: In some contexts, the student must be able to observe demonstrations and experiments in the basic and applied sciences. More broadly, observation requires reading text, diagrams, maps, drawings and numerical data. The candidate should be able to observe details at a number of scales and record useful observations in discipline dependant contexts. II. Communication: A candidate should be able to communicate with fellow students, professional and academic staff, members of relevant professions and the public. A candidate must be able to communicate effectively and sensitively. Communication includes not only speech but also reading and writing. III. Motor: Candidates should have sufficient motor function necessary for participation in the inherent discipline-related activities. The practical work, design work, field work, diagnostic procedures, laboratory tests, require varying motor movement abilities. Off campus investigations may include visits to construction sites, urban, rural and/or remote environments. IV. Intellectual-Conceptual, Integrative and Quantitative Abilities: These abilities include measurement, calculation, reasoning, analysis, and synthesis. Problem solving, the critical skill demanded of professionals in land and environment industries, requires all of these intellectual abilities. In addition, the candidate should be able to comprehend three-dimensional relationships and to understand the spatial relationships of structures. V. Behavioural and Social Attributes: A candidate must possess behavioural and social attributes that enable them to participate in a complex learning environment. Students are required to take responsibility for their own

	participation and learning. They also contribute to the learning of other students in collaborative learning environments, demonstrating interpersonal skills and an understanding of the needs of other students. Assessment may include the outcomes of tasks completed in collaboration with other students. Students who feel their disability will prevent them from meeting the above academic requirements are encouraged to contact the Disability Liaison Unit.
Further Study:	Leads to Masters Agricultural Science
Graduate Attributes:	Graduate in the Postgraduate Diploma program will possess attributes that will ensure they can either find employment in the public or private sectors related to a wide range of agricultural production, environmental, economics, bioresearch and service industries, and community organisations concerned with public good, or continue into further postgraduate programs of study.
Generic Skills:	This couse encompasses particular generic skills. On completion of the course students should have: # A profound respect for truth, intellectual and professional integrity, and the ethics of scholarship # Capacity for independent critical thought, rational inquiry and self-directed learning and research # An ability to derive, interpret and analyse social, technical or economic information from primary and other sources # Awareness of and ability to utilise appropriate communication technology and methods for the storage, management and analysis of data # Capacity for creativity and innovation, through the application of skills and knowledge # Ability to integrate information across a relevant discipline to solve problems in applied situations # Highly developed computer - based skills to allow for effective on-line learning and communication. # Highly developed written communication skills to allow informed dialogue with individuals and groups from industry, government and the community # Highly developed oral communication skills to allow informed dialogue and liaison with individuals and groups from industry, government and the community. # Appreciation of social and cultural diversity from a regional to a global context # Ability to participate effectively as a member of a team # Ability to plan work, use time effectively and manage small projects
Notes:	Completion of an Honours program or a Postgraduate Diploma in Agricultural Science (or equivalent) will give an advanced standing of up to 100 points into the Master of Agricultural Science.