315-PD Bachelor of Agriculture

Year and Campus:	2009
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	
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Course Overview:	From 2008 the Bachelor of Agriculture course has been redesigned. First year students will commence their studies at the Parkville campus and complete 2nd and 3rd year studies at Dookie. This course is offered mainly at the Dookie campus of the University, however, students will undertake part of their first year at the Parkville campus to enable science subjects to be undertaken. First year students will develop a link with the Dookie campus as two of the first year subjects will be delivered at the Dookie campus via flexible delivery, including a short residential. Agriculture is essentially the study of the management of resources for the sustainable production of food and fibre. When you study agriculture you are taught the principles and applications of science, economics and management, animal production, agribusiness, catchment management and various multidisciplinary packages such as systems analysis and management.
Objectives:	Students are introduced to the basic scientific concepts associated with agricultural production, they will then develop an understanding of the current issues faced by the industry throughout the various sectors. They will also develop knowledge of the technology available to both assess and improve the various sectors. A key focus of the course is to develop student ability to critically evaluate options as well as skills in decision making that will ensure long term industry sustainability. # a 'systems-thinking' approach to agricultural production and land management, including an understanding of: the structures of agriculture-related industries; the principal factors that determine location, environmental impact, sustainability, profitability and international trade competitiveness # an understanding of how agriculture and other land uses (including forestry and agro-forestry) influence the landscape # appropriate knowledge and the ability to critically evaluate knowledge gained from a range of scientific, economic and social sources # the ability to disseminate scientific and industry information # skills to effectively analyse, and scientifically evaluate agricultural and environmental problems and reach appropriate solutions # effective communication skills in a variety of media # the capacity for initiating cooperative relationships with colleagues, employers and clients # basic practical skills required to manage a farm enterprise and supervise workers # appropriate group facilitation skills # the ability to collect and interpret agricultural and environmental data for interpretation # an understanding of the research methodologies necessary to design and interpret small experiments # a commitment to the highest standards of academic and intellectual integrity and an acceptance of the community responsibilities of citizenship befitting their professional standing.
Course Structure & Available Subjects:	A new Bachelor of Agriculture degree will be offered at the Dookie campus from 2008. See Course 315-PD Bachelor of Agriculture. 315-AA Bachelor of Agriculture at Dookie. Being phased out from 2008.

315-DO Bachelor of Agriculture at Dookie. Being phased out from 2008.

315-PD new Bachelor of Agriculture at Parkville and Dookie. Commencing 2008.

Subject Options:

(NEW) BACHELOR OF AGRICULTURE - Commencing in 2008.

First Year

Students will undertake part of their first year at the Parkville campus to enable science subjects to be undertaken. First year students will develop a link with the Dookie campus as two first year subjects will be delivered at the Dookie campus via flexible delivery, including a short residential.

Subject	Study Period Commencement:	Credit Points:
610-171 Fundamentals of Chemistry	Semester 1	12.500
620-173 Introduction to Mathematics	Semester 1	12.500
650-141 Biology of Cells and Organisms	Semester 1	12.500
208-127 Data & Decisions	Semester 2	12.500
202-110 Land Resources	Semester 2	12.500
650-142 Genetics & The Evolution of Life	Semester 2	12.500
208-128 Agribusiness Financial Management	Not offered 2009	12.500
800-121 Food for a Healthy Planet	Semester 1	12.500

Second Year

The subject 208-338 Special Studies will be available in the Summer Semester as an alternative to 202-210 Sustainable Food for students who wish to study in an area related to their project and not adequately covered in other subjects.

Subject	Study Period Commencement:	Credit Points:
202-209 Soil and Water Resources	Semester 1	12.500
208-263 Animal Science and Nutrition	Semester 1	12.500
208-277 Statistical Methods	Semester 1	12.500
208-278 Life of Plants	Semester 1	12.500
202-210 Sustainable Food	Semester 2	12.500
207-209 Land Water and Food Economy 1	Semester 2	12.500
208-245 Animal Management and Production	Semester 2	12.500
208-279 Plants in the Environment	Semester 2	12.500
208-338 Special Studies	Summer	12.500

Third Year

Subject	Study Period Commencement:	Credit Points:
202-307 Industry Project	Year Long	25.000
208-334 Supply Chain Management	Semester 2	12.500
208-308 Irrigation and Water Management	Semester 1	12.500
208-342 Animal Production Systems	Semester 1	12.500

	202-307 Industry Project	Year Long	25.000
	202-315 Food & Water:Global Issues Local Impacts	Not offered 2009	12.500
	202-314 Innovation Change & Knowledge Transfer	Not offered 2009	12.500
	208-347 Plant Production Systems (N)	Not offered 2009	12.500

Entry Requirements:	Entry into undergraduate degrees is usually via applications through the Victorian Tertiary Admissions Centre (VTAC). Full details regarding the VTAC application process may be found on the VTAC website or by purchasing the VTAC Guide from newsagencies.
Core Participation Requirements:	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. This course requires all students to enrol in subjects where they must actively and safely contribute to field excursions and laboratory activities. Students who feel their disability will impact on meeting this requirement are encouraged to discuss this matter with the Subject Coordinator and Disability Liaison Unit (8344 7068 or DLU-enquiries@unimelb.edu.au). Students enrolling in the Faculty of Land and Food Resources are advised that some courses of study may put them at an increased risk of contracting Q Fever. Q Fever is a relatively common, preventable condition which while rarely fatal, can cause a severe acute illness and can result in damage to heart valves and chronic fatigue. It is recommended that students consider undertaking screening and vaccination for Q Fever prior to commencement of study. Students may be required to provide proof of vaccination prior to undertaking some coursework. Your course coordinator will advise you of this requirement prior to commencement of the study semester. Vaccine costs for students are not covered by the Pharmaceutical Benefits Scheme (PBS), Medicare, or by the University. Some students with full private health coverage (which has hospital and ancillary cover) may receive partial re-imbursement for vaccine costs.
Further Study:	Students may wish to continue their undergraduate studies and undertake their Honours year. The Faculty offers excellent opportunites for students to pursue postgraduate studies in the fields of agricultural science, forestry, natural resource management, urban horticulture, food science, animal welfare, wood science, agribusiness, wine technolgy and viticulture, forest ecosystem science. Programs available include Graduate Certificates, Graduate Diplomas, Postgraduate Certificates, Postgraduate Diplomas, Masters (by coursework), Masters (by research) and Doctoral degrees.
Graduate Attributes:	Graduates will be expected to: have a strong sense of intellectual integrity and the ethics of scholarship have in-depth knowledge of their specialist discipline(s) reach a high level of achievement in writing, generic research activities, problem-solving and communication be critical and creative thinkers, with an aptitude for continued self-directed learning be adept at learning in a range of ways, including through information and communication technologies be well-informed citizens able to contribute to their communities wherever they choose to live and work be advocates for improving the sustainability of the environment engage in meaningful public discourse, with a profound awareness of community needs.
Generic Skills:	The Bachelor of Agriculture aims to provide students with: # the capacity for independent critical thought, rational inquiry and self-directed learning and research # an ability to derive, interpret and analyse ecological, biological, social, technical or economic information from primary sources # highly developed written communication skills to allow informed dialogue with individuals and groups from industry, government and the community # an ability to participate effectively as part of a team # an ability to plan work, use time effectively and manage small projects.