

## AGRI10049 Agricultural Production Systems 3

<b>Credit Points:</b>	12.5
<b>Level:</b>	1 (Undergraduate)
<b>Dates &amp; Locations:</b>	2016, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus. This subject includes a compulsory residential field trip to the University's Dookie campus. Students will require appropriate clothing and footwear, including work boots (indicative cost \$60 per pair). Students are also required to contribute to the cost of accommodation and meals at the Dookie campus- indicative cost \$50 per day for two days. Further information about intensives at Dookie can be found at: <a href="http://students.fvas.unimelb.edu.au/fvas-programs/intensive-subjects-at-dookie#Dookie-intensives">http://students.fvas.unimelb.edu.au/fvas-programs/intensive-subjects-at-dookie#Dookie-intensives</a>
<b>Time Commitment:</b>	Contact Hours: Approximately 74 hours, 3 hours of lectures and 2 hours of workshops each week, and a two-day field trip Total Time Commitment: 170 hours
<b>Prerequisites:</b>	None
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	This subject assumes little background knowledge in science. Reading of rural press (eg newspapers and journals) will provide valuable background knowledge of Australian farming systems.
<b>Non Allowed Subjects:</b>	None
<b>Core Participation Requirements:</b>	This subject includes a compulsory residential field trip to the University's Dookie campus. Students will require appropriate clothing and footwear, including work boots (indicative cost \$60 per pair). Students are also required to contribute to the cost of accommodation and meals at the Dookie campus- indicative cost \$50 per day for two days. For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry. 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: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>
<b>Coordinator:</b>	Assoc Prof Vern Bowles
<b>Contact:</b>	<a href="mailto:vmb@unimelb.edu.au">vmb@unimelb.edu.au</a> ( <a href="mailto:vmb@unimelb.edu.au">mailto:vmb@unimelb.edu.au</a> )
<b>Subject Overview:</b>	<p>This subject is the third of a suite of three first year subjects that are core to the Bachelor of Agriculture. (<i>Agricultural Production Systems 1-3</i>). These subjects introduce students to the major Australian agricultural production systems (plant and animal) and to the social and business principles that underpin them. Using examples that provide a concrete overview of the workings of each production system, students will develop an understanding of the range of drivers of that system- economics and market drivers; sustainability, including resource, financial and environmental sustainability; the structure of agricultural communities and the farming context; environmental and welfare issues; and the policy and political issues that underpin decision making in agricultural production industries.</p> <p>In this subject, students will explore Australian animal production industries, for both food (eg meat, milk &amp; eggs) and fibre (wool) production in both extensively and intensively managed systems. Production systems discussed will include beef cattle and sheep, dairy cattle, pigs and poultry. Issues considered will include inputs and outputs of the system, on-farm husbandry and management, and the chain of production from on-farm to consumer.</p>

<b>Learning Outcomes:</b>	<p>Students who have satisfactorily completed this subject will</p> <ul style="list-style-type: none"> <li># Have a developing understanding of the structure and operation of agricultural production industries of Australia, as well as an understanding of Australia's role in global food and fibre production.</li> <li># Have an understanding of the principal factors that determine location, environmental impact, sustainability, profitability and international trade competitiveness in animal production systems</li> <li># Be able to describe the major extensive animal production systems in Australia: beef cattle and sheep, and dairy cattle</li> <li># Be able to describe the major intensive animal production systems in Australia: pigs and poultry, including free range and conventional farming systems</li> <li># Understand the major inputs and products for each of the major animal production systems</li> <li># Be able to describe productivity benchmarks in the major production animal systems</li> <li># Be able to explain the chain of production from on-farm to consumer</li> <li># Be able to describe the differences and similarities between intensive and extensive production systems, in terms of infrastructure, productivity and impacts on animal health</li> <li># Understand the basic principles of codes of practice and laws governing production animal systems</li> <li># Understand the principles of animal welfare and be able to identify situations where there is a particular welfare concern</li> <li># Describe how intensive animal production systems impact on the local environment</li> </ul>
<b>Assessment:</b>	<p>A two-hour written examination paper due at the end of semester examination period worth 50%  A 1000 word practical report based on a field trip due in week 8 worth 20%  Intra-semester test, equivalent to 500 words, due in week 6 worth 30%</p>
<b>Prescribed Texts:</b>	None
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<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>	<p>A student who satisfactorily completes this subject should be able to:</p> <ul style="list-style-type: none"> <li># Explain their understanding of agricultural production systems lucidly, both in writing and orally</li> <li># Review and evaluate readings relating to global food issues and agricultural production</li> <li># Participate as an effective member of a group in tutorial discussions, and study groups, and in working as part of a team to complete a group assignment</li> <li># Think independently and analytically, and direct his or her own learning</li> <li># Manage time effectively in order to be prepared for regular tutorial classes, tests and the examination</li> </ul>
<b>Related Course(s):</b>	Bachelor of Agriculture