

2010 SENIOR COURSE INFORMATION

Head of Department. Maritz van Niekerk SUBJECT: Agriculture and Horticulture

	Year 11	Year 12	Year 13
Course Content	<p>Practical investigation. This is a horticultural or agricultural investigation requiring planning, carrying out and interpreting</p> <p>Horticulture Skills. Students learn and practise skills in cultivating, managing and propagating plants.</p> <p>Properties and management of soils. Involves identifying soil structure and composition, modifying soils and developing mixtures for special purposes.</p> <p>Primary industry production in New Zealand. Describes the regional distribution of primary industries and discusses the reasons for this distribution.</p> <p>Livestock management and physiology. Describes management practices and the effects of these on animal physiology and production.</p> <p>Management in pasture and crop production. Describes the management practices and relates these to plant growth and productivity.</p> <p>Environmental impact of primary production. Considers environmental impact of selected production practices and approaches to minimizing this impact.</p>	<p>Practical investigation. A more advanced study than at Level 1, with greater student responsibility.</p> <p>Modification of physical factors in the environment. Considers controlled environments for plant growth and their effects on costs and productivity.</p> <p>Modification of livestock reproduction. Describes the reproductive structures and process together with modern approaches to improve productivity.</p> <p>Management practices in animals. Describes stock rearing and management practices in relation to production.</p> <p>Livestock behaviour. Describes the impact of livestock behaviour on productivity.</p> <p>Landscape design. Involves re-designing a selected site for a specified purpose.</p>	<p>Local product. Research the production and marketability of a locally produced primary product.</p> <p>National product. Investigate production and marketing of a nationally significant primary product.</p> <p>Market forces. Explain how market forces affect supply and demand of primary products.</p> <p>Production process. Explain market forces and the production process for a nationally significant primary product.</p> <p>Environmental issue. Analyse a primary production environmental issue.</p>
Pre Requisites	None	At least 14 credits from Level 1 Agriculture/ Horticulture, including at least 6 from external Achievement Standards	At least 14 credits from Level 2 Agriculture/ Horticulture, including at least 6 from external Achievement Standards
Assessment	<p>External (16 credits)</p> <p>1.3 Properties of soil (4)</p> <p>1.4 Primary industry production (2)</p> <p>1.5 Environmental impact (2)</p> <p>1.6 Livestock management (4)</p> <p>1.7 Pasture and crop production (4)</p> <p>Internal (8 credits)</p> <p>1.1 Practical investigation (4)</p> <p>1.2 Horticultural skills (4)</p>	<p>External (12 Credits)</p> <p>2.2 Physical environment (4)</p> <p>2.4 Livestock reproduction (4)</p> <p>2.5 Animal management (4)</p> <p>Internal (12 Credits)</p> <p>2.1 Practical investigation (4)</p> <p>2.6 Livestock behaviour (4)</p> <p>2.7 Landscape design (4)</p>	<p>External (14 Credits)</p> <p>3.3 Market forces (4)</p> <p>3.4 Production process (6)</p> <p>3.5 Environmental issue (4)</p> <p>Internal (10 Credits)</p> <p>3.1 Local product (6)</p> <p>3.2 National product (4)</p>
Costs	\$45.00 including a workbook and one field trip	\$65 covering a workbook and two field trips	\$65 covering a workbook and two field trips