

2019 SENIOR COURSE INFORMATION

Subject
Head of Department

Agriculture and Horticulture
Coadette Low

	Year 11	Year 12	Year 13
Course Content	<p>Soil management practices. Involves identifying soil structure and composition, modifying soils and developing mixtures for special purposes.</p> <p>Livestock management practices. Describes management practices and the effects of these on animal physiology and production.</p> <p>Impact on the environment of primary production management practices. Describe management practices and how they impact the environment.</p> <p>Pasture/Crop Production. Demonstrate knowledge of pasture/crop management practices.</p> <p>Investigation. Carrying out a practical agricultural investigation by planning the investigation, collecting and processing the data, and interpreting and reporting the findings.</p>	<p>Management livestock practices. Demonstrate understanding of how NZ commercial management practices influence livestock growth and development</p> <p>Modification of livestock reproduction. Demonstrate understanding of livestock reproductive techniques in commercial production in New Zealand</p> <p>Livestock behaviour. Demonstrate understanding of interactions between livestock behaviour and NZ commercial management practices.</p> <p>Plant growth/development. Demonstrate understanding of management practices influencing plant growth and development.</p>	<p>Production of a Primary product. Carry out an investigation into an aspect of a NZ primary product and its production.</p> <p>Profitability of Primary products. Research and report on the impact of factors on the profitability of a New Zealand primary product.</p> <p>Market forces. Demonstrate understanding of how market forces affect supply of and demand for primary products.</p> <p>Production Processes. Demonstrate understanding of how the production process meets market requirements for a New Zealand primary product(s)</p>
Pre Requisites	None	At least 8 credits from Level 1 Agriculture/Horticulture or Science, including at least 4 from external Achievement Standards. Or at the HoD/Deans discretion.	At least 8 credits from Level 2 Agriculture/Horticulture, including at least 4 from external Achievement Standards. Or at the HoD/Deans discretion.
Assessment	<p>Internal (10 credits)</p> <p>AS90155 (1.7) Demonstrate knowledge of pasture/crop management practices (4 credits)</p> <p>AS90160 (1.5) Demonstrate knowledge of the impact on the environment of primary production management practices (3 credits)</p> <p>AS90920 (1.4) Demonstrate knowledge of the geographic distribution of agricultural and horticultural primary production in NZ (3 credits)</p> <p>External (9 credits)</p> <p>AS90919 (1.3) Properties of soil (4 credits)</p> <p>AS90921 (1.6) Livestock management (5 credits)</p> <p>Total Credits = 19</p>	<p>Internal (12 Credits)</p> <p>AS91293 (2.5) Understanding of livestock reproductive techniques (4 credits)</p> <p>AS91295 (2.6) Understanding of livestock behaviour (4 credits)</p> <p>AS91298 (2.9) Report on the environmental impact of a locally produced primary product. (4 credits)</p> <p>External (8 Credits)</p> <p>AS91294 (2.6) NZ commercial management practices influence livestock growth and development (4 credits)</p> <p>AS91297 (2.10) Understanding of land use for primary production in NZ (4 credits)</p> <p>Total Credits = 20</p>	<p>Internal (10 Credits)</p> <p>AS91528 (3.1) Carry out an investigation into an aspect of a New Zealand primary product or its production (4 credits)</p> <p>AS91529 (3.2) Research and report on the profitability of a New Zealand primary product (6 credits)</p> <p>External (9 Credits)</p> <p>AS91531 (3.4) Production Process (4 credits)</p> <p>AS91530 (3.3) Market Forces (5 credits)</p> <p>Total Credits = 19</p>
Costs	No text book charges. Printing will be required for some units.	No text book charges. Printing will be required for some units.	No text book charges. Printing will be required for some units.