
Advanced Soil Conservation

Course Outline

The course is offered as 3 separate, but sequential, 5-credit modules and will provide the student with the knowledge and integrated skills to produce a NZ industry-standard, farm-scale, land and water management plan. This plan will correctly identify existing and potential soil and nutrient loss pathways, the causes of these losses, and provide justification for a range of mitigation options.

Controller: Fertilizer and Lime Research Centre (Massey University)

Updated March 2018

Module 3 – Land and Water Management Farm Plan

- Availability:** Enrolment will be offered periodically as demand dictates.
- Location:** Online study and self-arranged on farm visits to complete the land and water management farm plan.
- Delivery mode:** The module will be delivered through online distance learning. The module system is intended to allow more flexible learning, particularly for employed professionals.
- Aim:** This module will integrate the concepts, tools, and skills developed in Modules 1 and 2, to construct a land and water management farm plan. This will also incorporate the unique attributes of the farm system, the farmer, and associated stakeholders.
- Entry requirements:** The module is suited to students or professionals holding a Bachelor's degree, preferably with qualifications in soil science and with an interest in land and water management. Prerequisites to undertake Module 3 include successful completion of Modules 1 and 2 and the Intermediate Sustainable Nutrient Management course offered by FLRC (Massey University) OR Modules 1 and 2, and a relevant level 1 course in Soil Science.
- Workload:** Approximately 50 hours to develop a land and water management farm plan.
- Learning outcomes:** Integrate all of the previous learning outcomes into a comprehensive farm land and water management plan, which takes into account the farm system, the farmer, and associated stakeholders.
- Certification:** Successful participants will receive a Massey University 'Certificate of Completion' in Advanced Soil Conservation - Module 3 Land and Water Management Farm Plan' and have their achievement and 5 credits added to the academic records at Massey University.

Assessment:

	Assessment type*	Assessment Title	Weighting (%)	Link to Learning Outcomes
1	Written Assessment	Report, Project: Land and water management farm plan	100	Module 1- LO 1, 2, 3, Module 2- LO 1, 2, Module 3-LO 1

Requirements to successfully complete the paper:

Achieve an overall minimum of 50% in the assessments.

Credit to other tertiary Qualifications:

The 'Certificate of Completion' is a recognised University achievement. A student may wish to have the work completed on this course credited towards a postgraduate paper in Soil Science offered by Massey University. This can be achieved by enrolling in the appropriate paper and applying for credit to the course controller for the work completed in this short course.
