

Series 1 - 2017



**U3A
DUNEDIN**
CHARITABLE TRUST

Course title: **Aspects of Agriculture -
the backbone of the NZ Economy**

Dates: **Thursdays, 16 February - 23 March 2017**

Time: **2:15 - 4:15 p.m.**

Venue: **Leith Bowling Club,
2 Duke Street, Dunedin North**

(Enrolments for this course will be limited to 110.)

Course fee: \$60 * Tea and coffee provided.

Website:
u3adunedin.org.nz

Course Convenor: Evan Taylor

Email: **evan.taylor@xtra.co.nz**

Phone: **03 454 5803**

Mobile: **020 40759190**

*** This course features speakers of international repute, whom we are bringing to Dunedin.
The increased fee will assist with their travel costs**

If you would like to apply for more than one course, please rank your choices. If you enrol via our website **please complete payment of the appropriate fees** EITHER by internet banking (include Membership No. in Reference box), OR by cheque (to: Programme Secretary, U3A Dunedin, PO Box 6491, North Dunedin 9059.)

All applications must be received by **Friday 27 January 2017** and you will receive a response to your application by Friday 3 February 2017.

Please contact the Programme Convenor (courses@u3adunedin.org.nz, 021 258 4183) or the Secretary (mw.potter42@gmail.com, 453 4721) with any queries.

Postponements:

Check the website: **u3adunedin.org.nz** or listen to:

The Breeze 98.2 FM — Radio Dunedin 99.8 FM — MoreFM 97.4 FM

Please note: please no recording, photographing or videoing at any session in any of the courses.

Please keep this brochure as a reminder of venue, dates, and times for the courses for which you apply.

PLEASE NOTE THAT THE STARTING DATE OF THIS COURSE IS

16 FEBRUARY 2017

Aspects of Agriculture - the backbone of the NZ Economy

Course Developed by Jock Allison

16 February **Arable cropping in New Zealand**

Grain and forage crops, areas value, markets, research, extension to industry.

Future opportunities and challenges for cropping. Is this the way forward in reducing NZ's reliance on animal agriculture?

The changing requirements re water use efficiency and the environment, changing lifestyles and food habits nationally and internationally, new crops and enhanced value.

Nick Pyke, CEO of FAR (*Foundation for Arable Research, Canterbury*)

23 February **Forage breeding. From visual selection onwards. Have we actually improved our breeding methods in the last 10,000 years?**

A review of the different approaches currently employed in forage breeding.

Metabolically engineered forages. Make it globally applicable or go home.

Genetic modifications to forages. This technology is controversial, but of major importance to world food production and reduction of industry footprints.

Dr Nick Roberts or Dr Greg Bryan, AgResearch: Principal scientists, Plant Biotechnology, AgResearch. Scientific leaders, ZeaKal, a Biotech company.

2 March **Insect Pests of grasses and crops**

The damage and the answers, from chemical to Bio Control

Colin Fergusson, Entomologist AgResearch Invermay

Salmon Farming in New Zealand, The role of genetic improvement and a clean green image in making the NZ Salmon farming industry competitive

Dr Peter Amer, AbacusBio – Dunedin. Consultant, NZ King Salmon Company

9 March **Climate Change: an opportunity for New Zealand Agriculture or a publically and politically engineered misfortune?**

Agricultural emissions, what is the real story?

Dr Jock Allison, ONZM, former director of AgResearch at Invermay

From Farm Advisor to Marlborough Wine industry Pioneer

The transformation of land use since 1978 in the Marlborough region -

Neal Ibbotson, principal of the St Clair winery in Marlborough

16 March **Changing the sheep – through genetics, genomics and associated technologies**

The role of these technologies in the sheep industry from farm to plate

Dr Neville Jopson, AbacusBio, Dunedin

International food trends: the path for New Zealand agricultural products.

This talk will draw widely on AbacusBio's innovative work portfolio,

Dr Anna Campbell, Managing Partner of AbacusBio, Dunedin, ODT columnist

23 March **Irrigation in Godzone – its history and the genesis of current local water squabbles,**

The talk will explain the relevant historical background to the current situation; the position being taken by the protagonists; and the role and position of local and national governments. Is a win-win possible?

Water Wars in the 21st Century? Conflicts when international water bodies separate neighbours?

Water resource conflicts in two unstable jurisdictions – the Indian sub-continent and Central Asian republics, a catalyst for serious inter-country tensions?

Dr Terry Heiler, previously CEO of the Agricultural Engineering Institute, Lincoln University, CEO Irrigation New Zealand, is a world authority on national and international irrigation development.