A summary of success of applied learning in a degree at Unitec

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Department of Natural Sciences
Bachelor of Applied Science
(Biodiversity Management & Animal Behaviour and Welfare majors)

Negotiated Study Course

- 30 credit course in 3rd year of study

- **Aim:** to provide students with an opportunity to complete an investigation into a negotiated topic related to their area of study using a range of research skills.
Learning Outcomes

- Conceptualise a research proposal
- Complete a literature review on the topic
- Develop the methodology for testing the topic
- Implement the research project.
- Analyse the results and communicate the findings in a poster and a report.

In addition, the student is expected to produce a publication, e.g. poster or oral presentation at a conference &/or written paper.
Collaborative Arrangements: a win-win situation

Aim to provide students with opportunities for exposure/collaboration with industry

The student benefits:
• Introduce the student to industry
• Provide a supportive environment where they can learn and grow
• Complete their negotiated study
• Potential employment/study opportunity on completion of degree
• Applied real-world learning

The collaborator benefits:
• Young, enthusiastic, hard working student
• Completion of small research project
Unitec/Auckland Council Collaboration: Treasure Islands

Oral Presentation 2014: Shanti Morgan

An assessment of risk pathways from commercial businesses to pest-free islands of the Hauraki Gulf

Poster presentations 2014:

Andrew Marshall
Distribution of the Argentine ant (*Linepithema humile*) and Rainbow skink (*Lampropholis delicata*) in selected locations across the Rodney district of Auckland, NZ

Sarah Killick
Detecting the spread of a known rainbow skink (*Lampropholis delicata*) population over an island.
Unitec/Auckland Uni/Connovations collaboration:

Oral Presentation: Jared Waters

Novel lures to increase possum detection and decrease rat interference at Chew Cards.

J. Waters¹, N. Adams¹, D. Fraser¹, J. MacKay²

Product: Lure it Spray & Blaze, Connovations Ltd.

Journal paper in draft.
Unitec/Key Industries collaboration:

Poster presentation 2014: Sarah-Jayne Fenwick & Urvashi Lalu

Potential Impact of Argentine Ant (Linepithema humile) on Beehive Productivity

Paper submission 2014: Jo Aley

The efficacy of Capsaicin as an equine repellent for chewing wood.

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