TIF 2001 Faculty of Science Project

Building a responsive and effective service teaching program

Final Report

Executive Summary

Overview
The aim of this project was to enhance the teaching and learning experiences of students in client faculties who are required to study first year science units of study as part of their professional degree program. Enhancement was to be through curriculum reform and by the introduction of new delivery modes, and the individual departmental projects were to be managed centrally.

Outcomes
This project has produced the following:

- a new unit of study with ‘value added’ teaching materials for BEd Human Movement and Health Education students;
- a revised unit of study with ‘value added’ teaching materials for first year students if the Faculty of Agriculture;
- an extensive set of online teaching chemistry modules that can be used across a number of units of study;
- a set of online teaching mathematics modules for use with engineering students and a development tool for the automated translation of mathematics content material and subsequent compilation of a web site;
- identification of two teaching improvement models that can be transferred to other departments in the Faculty and College;
- validation of the four teaching innovations through evaluation based on Kirkpatrick’s model; and
- dissemination across a wide variety of conferences, and published materials.

Use of this report
This report has three major purposes:

- to report to the funding body;
- to serve as a resource for academics and unit of study coordinators; and
- to serve as a record of the project’s activities.

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