

Integrating OO Analysis Design and Development: An Initial Story

Trevor Nesbit
Christchurch Polytechnic Institute of
Technology
nesbitt@cpit.ac.nz

Abstract

This poster presents the initial results from a rearrangement of first year object oriented (OO) analysis and design and programming courses in year one of the Bachelor of Information and Communication Technologies (BICT) and Christchurch Polytechnic Institute of Technology (CPIT).

Since the introduction of the degree in the mid 1990s the OO analysis and design course (BCIS101) and the introduction to programming course (BCPR101) had been taught sequentially in BCIS101 in semester one and BCPR101 in semester two.

Of the eight (8) courses completed by students in the first year of BICT the course with the lowest pass rate was consistently BCIS101, with the pass rate slipping below 50% on a number of occasions up until the end of 2005.

As a result of this, BCIS101 and BCPR101 were effectively cut up and joined back together again to create two new software engineering courses (BCSE101 and BCSE102) that covered all of the same content but with the analysis and design content being integrated with the development content in both of the courses.

This poster examines and compares the pass rates of the two new courses and draws some conclusions about the success of the changes.