

A Shortcut to Module Redesign Making Life Better for You and Your Students

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Abstract

I am not an education specialist, but rather a mathematical statistician. However, over my 15 years of teaching in higher education in South Africa, I have faced a multitude of problems in our secondary and higher education systems; problems that are experienced worldwide. With a lot of courage, some experience in module design, many failed education experiments, and a few successes, I have developed a personalised recipe for education that may be worth sharing. In this talk, I present a four-step guide to reinventing a module in higher education. This guide will help identify what you and your students' goals are, what you want your students to become, and how to get them to that point in the most efficient way possible. The system is based on the ideas of reducing workload (for both student and teacher), developing critical cross-field graduate skills/attributes, and assessing only what matters, in a way that matters. These methods have been shown to improve understanding of content, help develop self-awareness and curiosity, and reduce stress for both the teacher and student.

Keywords: higher education, recirculation, core content, learning outcomes, authentic assessment