IDENTIFYING CHALLENGES AND EVALUATING STRATEGIES TO PREPARE PARAMEDIC SCIENCE STUDENTS TO UTILISE MATH IN THEIR FUTURE CAREER

Elizabeth Thyer, Catherine Kamphuis, Georgia Clarkson

Presenting Author: Catherine Kamphuis (Catherine.kamphuis@vu.edu.au)
School of Biomedical and Health Sciences, Victoria University, St Albans VIC 8001, Australia

KEYWORDS: paramedic; mathematics; drug calculations; curriculum; employment

ABSTRACT
In 2010, Ambulance Victoria (the primary employer of Victoria University Bachelor of Health Science graduates) introduced a math examination as part of their recruitment. The exam aimed to improve the process of clinical drug administration by deselecting graduates who were unable to demonstrate predetermined mathematical skills. Anecdotally, it has been noted that many applicants do poorly in math assessments within the course and during recruitment. Anxiety appears also to be raised when undertaking a math assessment compared to other components of university assessment and employment recruitment (Arem, 2010; Bull, 2009; Le Blanc et al, 2005; Taylor and Galligan, 2006). In order to improve student chances of pursuing this career, whilst maintaining a minimum standard, a more structured approach to mathematical education in this health science degree is required. Our aims are to engage students in mathematical learning, improve their math skills, alleviate math related anxiety and identify the relevance of math in their future health science career (Richardson and Suinn, 1972).

REFERENCES