



The Science of Learning Research Centre would like to invite you to attend the following seminar:

Learning analytics, measurement science, the nature of learning in MOOCs and e-learning design

In this presentation Patrick Griffin and Sandra Milligan tackle several issues:

- They outline some of their thought-provoking work on the nature of learning in MOOCs, undertaken over the last three years. They address topical questions about MOOCs: Can learners in MOOCs generate the higher-order learning expected from higher education institutions? And how can they do that?
- They argue that one way to tackle such questions is to understand the learning process in MOOCs. They have capitalised on the opportunities of the digital era by combining learning analytics and measurement science to make the learning process visible. They outline their rigorous approach to turning messy, otherwise unintelligible log-stream data into information of use to learners and teachers.
- They discuss how they applied understandings about the distinctive way learning occurs in MOOCs to the practical 'laboratory' of building and running a MOOC for practicing teachers. They argue that learning designers can use learning analytics and measurement science to better design MOOCs and other e-learning experiences generate high quality learning outcomes.

Their presentation is based on projects conducted in association with the Melbourne University MOOC program, and conducted under the joint auspices of the Assessment Research Centre, the Learning Analytics Research Group and the Science of Learning Research Centre.

Professor Emeritus Patrick Griffin is an educationalist with research interests in the areas of assessment and evaluation. He held the Chair of Education (Assessment) at the University of Melbourne from 1996 to 2015 and was Director of the Assessment Research Centre.



Sandra Milligan is currently Convenor of a Melbourne University MOOC targeting professional learning and research engagement of teachers, and is researching assessment in MOOCs. She has a diverse background in quantitative and qualitative research in government, corporate and academic contexts. @sandramilligan3



Seminar Details

Friday July 31

5pm-6pm (light refreshments from 4:30pm)

Theatre 230

Melbourne Graduate School of Education
234 Queensbury Street, Carlton, VIC 3053

Seminar Registration

Please contact Dee Al-Nawab by **July 27**

Email: hadeel.al@unimelb.edu.au

