

# ADVANCED PSYCHOMETRICS

## Course Description

This course is specially designed for medical and health professions educators, leaders and administrative staff who are involved in the decision-making processes, analysis and evaluation of student or resident assessment.

Participants will be imparted with theoretical knowledge on assessment psychometrics via online learning. Participants will be given extensive hands-on activities to gain a more in-depth understanding on how to conduct assessment psychometrics using GENOVA software and RASCH analysis. Using simulated data sets, participants will be guided on interpreting the output data and proposing strategies to improve the assessment formats and assessor performance.

## Workshop Objectives

Participants will be able to:

- Apply the principles of generalizability theory and use GENOVA to evaluate an assessment
- Discuss the principles of item response theory and use RASCH analysis to evaluate an assessment
- Interpret the output data and propose strategies to improve the design of the assessment

## Who should attend?

Healthcare Professional Educators (doctors, dentists, pharmacists, nurses and allied health professionals) and administrative staff who is involved in analysis and evaluation of student or resident assessment.



15 July 2024, Monday &  
16 July 2024, Tuesday



9:00am – 5:00pm



National University of Singapore  
MD1, Tahir Foundation Building  
Level 3, Multi-Purpose Hall 1



### Registration Fees

NUHS Staff - (\$690 + Prevailing GST)  
(Including staff on clinical faculty/adjunct scheme)  
Others - (\$720 + Prevailing GST)

Registration is on a first-come-first-served basis

To register, please go to:  
<https://inetapps.nus.edu.sg/fds/>  
Phone: (65) 6601 5771  
Fax: (65) 6872 1454

Registration Closing Date: 15 June 2024

## Facilitators

**Dujeepa Samarasekera**  
Senior Director, CenMED  
Yong Loo Lin School of  
Medicine  
National University of Singapore

**Jillian Yeo**  
Medical Educationalist, CenMED  
Yong Loo Lin School of Medicine  
National University of Singapore

**Gominda Ponnampereuma**  
Professor & Head  
Department of Medical Education  
Faculty of Medicine  
University of Colombo, Sri Lanka

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Join our courses!

 NUSMedCenMED

SMC CME / CNE / CPE accreditation are being finalised

Cancellations received on or before 16 May 2024: Full refund (less off \$50 admin fee). Cancellations received between 17 May – 15 Jun 2024: Refund of 50% of the workshop fee. Cancellations received between 16 Jun to 15 Jul 2024: No refund. Any cancellation or replacement must be conveyed in writing to the organiser. Registration can be only confirmed upon full payment. CenMED reserves the rights to change the date / timing / location etc.