

## **TESTING AND MEASUREMENT IN TEACHING**

24 – 25 May 2018

4 – 5 June 2018

3 – 4 September 2018

15 – 16 October 2018 (Perak Branch Campus)

### **BACKGROUND**

Globalisation and the need for accountability, performance standards and quality assurance have stimulated and reflected new trends in educational measurement. The increased reliance on testing and measurement as educational tools has also raised issues concerning fairness of their uses and interpretations. Therefore, it is important for educators to have a sound understanding of the process of testing and how it may be used as a tool to enhance learning in students. Tests should reflect the content standards set and performance standards required by an educational institution.

### **LEARNING OUTCOMES**

At the end of programme, participants will be able to:

- Use appropriate test types to assess students
- Differentiate between evaluation and measurement, and why teachers need to undertake both in the classroom
- Apply the concepts of validity and reliability in writing tests
- Use the test writing techniques in designing tests effectively
- Assess the quality of tests that have been prepared

### **WHO MAY ATTEND**

For lecturers, teachers, trainers, and administrators in education institutions who are directly or indirectly involved in the teaching and learning environment.

### **DURATION**

9.00 am – 5.00 pm on Two (2) days

### **CONTENTS**

#### **Section 1 Effective Testing and Measurements**

- Why must we test our students?
- What information do tests provide?
- Are your tests measuring what they are supposed to?
- Effects of testing and assessment in teaching

#### **Section 2 Types of Tests**

- Development of assessment instruments
- Criterion – referenced tests
- Types of criterion tests

- Determining mastery levels
- Norm referenced tests

**Section 3 Writing Test Items**

- Testing formats
- Bloom's Taxonomy

**Section 4 Hands-on Exercise on Writing of Test Items**

**Section 5 Designing Fair Tests**

- Constructing test items
- Validity of tests
- Reliability of tests
- Distribution of grades
- Discussion of test items written by participants

**FACILITATOR**

**Associate Professor Dr Choy Siew Chee** has over 25 years of experience teaching College-level students in Malaysia and USA. She holds a Bachelor of Science in Chemistry & Biology, a Masters in Education (Guidance Counseling & Science Education) from Campbell University, USA, and a PhD in Education Psychology from the University of Exeter, UK.

Dr Choy currently heads the Perak Branch Campus of TAR University College. She is a key facilitator and trainer on Teacher Development Workshops organised by TAR University College. Her research interests are on students' perceptions and attitudes towards learning. She is a regular contributor of articles to international educational journals. Dr Choy has co-authored a book on *Exploring Professional Development for Educators* and has also presented numerous papers at education seminars and International Conferences.