

**Course title: Designing and developing educational research studies**

**Dates/time: Day 1: 6 Jan 2017 (Fri), 10.00am – 4.30pm**

**Day 2: 7 Feb 2017 (Wed), 10.00am – 3.30pm**

**Venue: Dewey Room**

*Light lunch will be provided from 12.00pm – 1.30pm*

**Synopsis**

The two-day project-based course is designed with a focus on guiding participants to apply knowledge and skills in carrying out a research-based inquiry in teaching and learning, in an authentic context, e.g. writing an educational research proposal for grant application.

By the end of the course, participants should be able to:

- 1) articulate and apply learning theories in conducting research-based inquiry in teaching and learning
- 2) design and develop educational research studies
- 3) write an educational research proposal (for grant, conference, journal)

**Target audience**

Academics who are preparing to write and submit educational research proposals for the following grant applications are highly encouraged to attend the course:

- a) MOE Tertiary Education Research Fund (MOE TRF) for Year 2017
- b) Learning Innovations Fund-Technology (LIF-T)

**Expectations**

Participants are expected to:

- (a) attend the full 2-day course;
- (b) submit a draft research proposal at the end of the course.

**Maximum number of participants: 30 participants**



Session	Topic (Outline)	Intended learning outcomes  By the end of the session, participants should be able to:	Responsible	Deliverables/ milestone
		research study. f) Generate research questions that are testable propositions deduced and directly derived from theory.		
Day 2 (AM)  7 Feb 2017  10.00am – 12.00pm	<b>Conceptualising appropriate research design and choosing methods of inquiry</b> <ul style="list-style-type: none"> <li>• Knowing what are qualitative, quantitative and mixed methods</li> <li>• Deciding on appropriate research methods</li> </ul>	a) Differentiate between different research methods (qualitative, quantitative and mixed methods) b) Evaluate the appropriateness of the different research methods when applied to different contexts c) Identify the appropriate research methods in response to their research questions	Ms Jeanette Choy & Mr Alan Soong	Draft the section on design and methods of the proposed study (Part 1)
Day 2 (PM)  7 Feb 2017  1.30pm – 3.30pm	<b>Constructing measures, collecting data and choosing appropriate analysis</b> <ul style="list-style-type: none"> <li>• Measuring achievement and other individual differences</li> <li>• Choosing an appropriate test</li> <li>• Sampling and data collection</li> </ul>	a) Apply basic principles of measurement in educational research b) Apply descriptive and inferential statistics for educational research	Dr Mark Gan	Draft the section on design and methods of the proposed study (Part 2)