



Hong Kong Jockey Club Innovative Learning Centre for Medicine

Comprehensive Simulation Educator Course

Course Information

Overview

A Simulation Educator or Faculty is expected to plan and lead a full simulation-based programme. This Comprehensive Simulation Educator Course aims to provide the essential knowledge and develop learners' competence in scenario development, direction, execution and debriefing methods. Simulation-based education is but one example of learner-centred education. This programme will provide the learners with an understanding of the basic concepts of learner-centred education. Different types of simulators and simulation techniques, and their respective applications will be presented and discussed to provide the learner with the resources required for their teaching purposes. The programme also intends to cultivate interest and passion in simulation-based education, and learners are provided with different methods to maintain and enhance their knowledge and skills in simulation-based education.

The following strategies were considered in the development of the Comprehensive Simulation Educator Course:

1. Flipped Classroom model with short online video min-lectures to deliver knowledge, to be viewed by students at home before class session, while in-class time is devoted to exercises, projects and discussions. Multiple choice questions will be used to test understanding and knowledge.
2. Whole-Part-Whole learning model is employed in the design of this course. The learner is exposed to a typical simulation-based immersive scenario followed by debriefing initially, followed by instructions and hands-on practice of the individual parts required for a simulation course. The learning is completed with the learners planning, developing course material and running a simulation-based training scenario.
3. Team-based training is facilitated during the course.
4. The learner is stimulated to adopt simulation-based learning as an effected method of learning and teaching, and be enthusiastic to apply this method. They should be cultivated to embrace a culture of continuous development in their knowledge and skills in simulation-based education.

Course Title	Comprehensive Simulation Educator Course
Organizer	Hong Kong Jockey Club Innovative Learning Centre for Medicine
Duration	4 days
Student Quota	24
Course Description	<p>This course is divided into four Modules to be completed over four days. The modules are:</p> <ol style="list-style-type: none"> 1. Overview and Introduction to Simulation-based Learning 2. Debriefing and Simulation Technology 3. Developing and Running a Simulation Program 4. Simulated Debriefing as a Method of Continuous Faculty Development <p>The course will commence with pre-course knowledge transfer and active learning with immersive training activities during the course.</p>
Course Objectives	<ol style="list-style-type: none"> 1. Understand the principles and methods related to simulation education 2. Design and run scenarios, and debrief learners effectively 3. Integrate simulation to activities related to individual backgrounds 4. See themselves as educators 5. Feel the potential benefit of learner-centred education 6. Set a learning agenda for further enhancement in simulation education
Course Teaching & Learning Activities	<ol style="list-style-type: none"> 1. Pre-course transfer of knowledge base using (compulsory) online videos and (optional) reading material 2. Team-based learning 3. Active learning during class through experience (simulation and role play) and reflection to master skills in writing and running scenarios, debriefing, as well as simulated debriefing and peer feedback.
Course Assessment Method	<ol style="list-style-type: none"> 1. Multiple choice questions after pre-course on-line videos to assess readiness 2. Formative assessment by faculty through observation and debriefing 3. No summative assessment

Day 1 Overview and Introduction to Simulation-based Learning

Time	Activity
0830-0945	Introduction to Course and Each Other
0945-0955	Overview
0955-1040	Introduction to Simulation
1040-1045	Preparation for Scenario
1045-1115	Break
1115-1140	Experiential Learning
1140-1230	Debriefing of Scenario
1230-1330	Lunch
1330-1500	Introduction to Debriefing
1500-1515	Break
1515-1630	Advocacy/Inquiry, Microskills Practice
1630-1700	DASH
1700-1730	Wrap Up and Evaluation

Day 2 Debriefing and Simulation Technology

Time	Activity
0830-0900	Recap, Q&As
0900-1000	Exploring Frames
1000-1100	Objective Oriented Debriefing
1100-1115	Break
1115-1230	Debriefing Practice
1230-1330	Lunch
1330-1400	Upset Participants
1400-1545	Practical Tips on Technology
1545-1600	Break
1600-1620	Application of Simulation
1620-1715	Scenario Development
1715-1745	Wrap Up and Evaluation

Day 3 Developing and Running a Simulation Program

Time	Activity
0830-0850	Molecule Warm-Up
0850-0950	Simulation Course Planning, Development and Execution
0950-1005	Break & Class Picture
1005-1300	Developing Scenario (working lunch)
1300-1715	Running Scenario and Debriefing
1715-1745	Wrap Up and Evaluation

Day 4 Simulated Debriefing as a Method of Continuous Faculty Development

Time	Activity
0830-0900	Welcome and Briefing
0900-1105	Simulated Video Debriefing Exercise 1
1105-1120	Break
1120-1325	Simulated Video Debriefing Exercise 2
1325-1425	Lunch
1425-1630	Simulated Video Debriefing Exercise 3
1630-1700	Wrap Up, Evaluation, Certificate Presentation