

# Instructional Design for Healthcare Professionals

## - The Science of Effective Teaching

### Description

This programme is designed for healthcare professionals to gain knowledge, skills, and competencies for delivering effective teaching using instructional design principles and best practices in educational technology.

Participants will actively explore and apply the instructional design process, from analysis through evaluation, and work on instructional design activities in their subject area domain.

Participants will also have hands-on practice to apply the principles and processes to transform an existing training course to an instructional design product.

### Duration

1.5 days

### Programme Content

This Programme will cover the following topics:

1. Instructional Design / Learning Theory and Practice in Healthcare
2. Needs Assessment through Learner and Context Analysis
3. Task Analysis (Instructional Goals and Objectives)
4. Sequencing Instruction and Instructional Strategies
5. Designing and Developing Instructional Materials
6. Designing Technology-based Instruction
7. Programme Evaluation
8. Conducting Formative and Summative Assessments
9. Managing Instructional Design Projects
10. Presentation of Materials

### Programme Requirements and Pre-requisites

1. Participants must submit a write-up or slides of a teaching programme that they are involved in or planning to deliver.
2. Moderate competency in Microsoft Office Suite
3. Ability to record an audio and video file
4. Bring along a laptop with the following features:
  - Both Macintosh and Windows systems are acceptable, but Windows is preferred
  - Video camera and microphone
  - Internet browser and email software
  - MS Office 2010 and above, or otherwise Office 365 trial
  - Adobe Acrobat Reader
  - Windows Media Player

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### Target Audience

Health Professions Educators who are involved in designing learning activities and programmes.

### Learning Outcomes

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

1. Apply the instructional design principles and processes to create effective learning programs in your domain;
2. Perform learners needs analysis and conduct task analysis;
3. Design sound learning goals and learning objectives;
4. Design learning materials;
5. Apply guidelines to the design and use of visuals, text, and audio in instructional materials;
6. Design appropriate learner involvement and learner assessment strategies;
7. Design a formative evaluation plan of your programme; and
8. Select and integrate innovative education technologies and media into your teaching to support the attainment of learning outcomes.

### Methodology

This programme is designed to be an interactive learning experience for participants. Methodologies used will include

1. Formal presentations;
2. Group discussions;
3. Hands-on activities in using the IT applications; and
4. Project presentation.

### Training Capacity

25 participants per run

### About the Organiser

Officially established on 19 July 2002, the National Healthcare Group (NHG) College plays an instrumental role in facilitating the continuous learning and development of our workforce, as well as, promoting systems improvement and driving leadership development in NHG. NHG College collaborates with renowned institutions and industry partners to build the pipeline and collective capacities of our leaders, educators, healthcare professionals and staff to support NHG in serving and managing the health of our patients and the population.