



INTERNATIONAL MEDICAL UNIVERSITY  
MALAYSIA

POSTGRADUATE DIPLOMA IN  
HEALTH PROFESSIONS EDUCATION

**MHPE 7124**

**E-learning in Health Professions Education  
(4 Credits)**

Module Guide (ODL)

**TITLE: E-learning in Health Professions Education**

**COURSE CODE: MHPE 7124**

**PROGRAMME: Postgraduate Certificate in Health Professions Education**

**CONTENT SYNOPSIS:**

This module offers insight into the background and context of online education in HPE. The learners will be given opportunities to apply learning theories and instructional design principles to plan, design, implement, and evaluate e-Learning experiences. The module requires learners to utilize web-based and other e-Learning tools to enhance the effectiveness of health professions' education.

**Module Learning Outcomes**

Upon completion of this module, the learner will be able to:

1. Apply learning framework structure for technology enhanced learning using various e-Learning tools.
2. Apply principles of instructional design to develop online activities to help students achieve learning outcomes of respective scenarios.
3. Use social, collaborative networking web-based tools to enhance engagement in learning & teaching, assessment and feedback.
4. Plan a change management for adoption of blended learning.

**MODULE COORDINATOR:** Hasnain Zafar Baloch

**ASSOCIATED LECTURERS:**

- i. Dr Nilesh Kumar
- ii. Ms Siti Suriani Abd Razak
- iii. Dr Muneer Babar

**TEACHING AND LEARNING:**

WEEK	TOPIC	TEACHING & LEARNING METHOD	FACILITATOR
1	Module Briefing	Lecture, Tutorial, Seminar, Presentation,	Hasnain Zafar
	Basis of Online Education	Lecture, Seminar	Hasnain Zafar
2	Learning Style	Lecture	Siti Suriani
	Planning and Story Boarding	Workshop	Marliana (Invited Facilitator)
3	ID Model	Lecture, Seminar, presentation	Siti Suriani
	ID Tools	Workshop	Hasnain Zafar
	Ethics	Journal Club, Case based learning, Presentation	Muneer Babar
4	Self-Directed Learning /Non Face to Face		
5	Online Assessment	Lecture, Seminar, presentation	Hasnain Zafar
6	Online Security	Lecture, Seminar, presentation	Hasnain Zafar
7	Online Monitoring and feedback	Workshop	Hasnain Zafar
8	Change Management Process	Tutorial	Nilesh Kumar
9	Change Management	Critical Review	Nilesh Kumar
10	Self-Directed Learning /Non Face to Face		
11	Self-Directed Learning /Non Face to Face, Module Evaluation		

**ASSESSMENTS:****Formative**

- Presentation 1
- Presentation 2
- Presentation 3
- Assignment 1

**Summative**

- Presentation and Demonstration: Pitching the Idea (50%)
- Assignment 2 (50%)

<b>Continuous Assessment</b>	<b>Percentage %</b>	<b>F2F (Hours)</b>	<b>NF2F (Hours)</b>	<b>SLT (hours)</b>
<b>Presentation 1</b>	<b>0</b>	<b>1</b>	4	5
<b>Presentation 2</b>	<b>0</b>	<b>1</b>	4	5
<b>Presentation 3</b>	<b>0</b>	<b>1</b>	4	5
<b>Assignment 1</b>	<b>0</b>	<b>0</b>	6	6
<b>Presentation 4: Pitching the Idea</b>	<b>0</b>	<b>2</b>	5	7
<b>Summative Assessment 1: Pitching the Idea &amp; Demonstration</b>	<b>50</b>	<b>2</b>	8	10
<b>Summative Assessment 2: Assignment 2</b>	<b>50</b>	<b>0</b>	10	10

## SYLLABUS:

Topic / Subtopic & Assessment	
1	<p><b>Topic 1: E-Learning</b></p> <ul style="list-style-type: none"><li>- Cognitive and learning styles as a basis for online education</li><li>- Successful examples of using technology in enhancing learning</li><li>- Commonly available eLearning tools for Health Professions Education</li><li>- Computer aided learning</li><li>- Simulation,</li><li>- Content delivery</li><li>- Assessment</li><li>- E-portfolios</li><li>- Communication</li><li>- Discussion forums</li><li>- Administration and management</li><li>- Ethical issues in online education</li></ul>
2.	<p><b>Topic 2: Instructional Design</b></p> <ul style="list-style-type: none"><li>- Learning and cognitive style relevant to instructional design</li><li>- Examples of ID models<ul style="list-style-type: none"><li>o The schemata model (Rumelhart, 1980)</li><li>o The 4C/1D (van Merrieboer, 1997) / ADDIE model</li><li>o Gagne's 9 event of instructions</li></ul></li><li>- Planning and story boarding: Consideration for selecting an appropriate instructional design</li></ul>
3.	<p><b>Topic 3: Social, Collaborative Networking (Web-based) Tools</b></p> <ul style="list-style-type: none"><li>- Apply web-based tools to generate content, comment and evaluate others users' actions and be working in virtual communities.</li></ul>
4.	<p><b>Topic 4: Technology Used for Assessment, Monitoring and Feedback</b></p> <ul style="list-style-type: none"><li>- Online assessment for formative and summative, competency and cognitive assessment</li><li>- Monitoring online learning on a learning management system (LMS)</li><li>- Security for online assessments</li><li>- Feedback and reflection</li></ul>

5.	<b>Topic 5: Change Management for Implementing e-Learning in Health Professions Education</b> <ul style="list-style-type: none"> <li>- Processes in change management</li> <li>- Change management required for online learning</li> </ul>
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## REFERENCES

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2. Smaje, K., Lamarre, E., Zimmel, R. (2023). Rewired: The McKinsey Guide to Outcompeting in the Age of Digital and AI. United Kingdom: Wiley.
3. Gururajaprasad Kaggal Lakshmana Rao, Norehan Mokhtar (2023). Handbook of Research on Instructional Technologies in Health Education and Allied Disciplines
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8. Linda B. Nilson, Ludwika A. Goodson.( 2021) Online Teaching at Its Best: Merging Instructional Design with Teaching and Learning Research, 2nd Edition
9. Dent, J. & Harden, R.M. (2017). A practical guide for medical teachers. Elsevier Health Sciences. Fifth edition.
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## Article

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3. Hardré, P. L., Ge, X., & Thomas, M. K. (2006). An investigation of development toward instructional design expertise. *Performance Improvement Quarterly*, 19(4), 63-90.
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