

How to design, develop and deliver online & blended learning programs



**Practical skills for
learner-centred
teaching, instructional
design and digital
education**



**For faculty, programme
managers and academic
teaching-learning
support staff**





eCourse on How to Design, Develop and Deliver Online & Blended Learning Programs

About the eCourse

Online and Blended Learning (OBL) is reshaping how educators design, deliver, and evaluate learning, experiences. This eCourse equips faculty, program, and IT support staff with the knowledge, skills, and practical tools required to design, develop, and deliver effective online and blended learning programs.

Covering instructional design fundamentals, learner engagement, assessment strategies, educational technologies, and AI integration, the course enables participants to create high-quality, interactive, and learner-centred educational experiences.

Learning Objectives

Upon successful completion of the course, participants will be able to:

Knowledge

1. Explain key concepts, principles, and models of Online and Blended Learning (OBL)
2. Describe instructional design principles and approaches relevant to OBL
3. Understand learner-centered pedagogies and adult learning principles
4. Explain frameworks for assessment, evaluation, and quality assurance in OBL
5. Understand opportunities and challenges of Artificial Intelligence in education

Skills

Apply evidence-based pedagogical principles and learner-centred approaches to

1. Design learning outcomes aligned with teaching-learning activities and assessments
2. Develop online and blended course structures using instructional design frameworks
3. Create engaging digital learning materials and presentations
4. Utilize Learning Management Systems and educational technologies effectively
5. Design formative and summative assessments, including high-quality MCQs
6. Integrate learner engagement strategies in teaching

Attitudes

1. Adopt a learner-centered approach to teaching
2. Foster innovation and experimentation in educational practice

Target Audience

- Faculty members
- Programme managers/course coordinators
- Academic and teaching-learning support staff, including Information Technology

Course Duration

The course duration is 12 months





Topics Covered

This eCourse will cover the following modules on OBL:

Module	Sessions	Reading Material	Learning Outcomes
Module 1: Foundations of Online and Blended Learning	Session 1: Getting Started with OBL: Fundamentals of OBL		• Explain the evolution and models of OBL • Understand learner needs and expectations
Module 2: Instructional Design and Course Development	Session 2: Instructional Design Principles & Models Session 3: Design for Learning and Design for MOOCs Session 4: Constructive Alignment: Learning Outcomes, Teaching Strategies and Assessment	Learning Design from the Perspective	• Develop measurable learning outcomes • Apply instructional design models • Design coherent course structures
Module 3: Educational Technology and LMS	Session 5: Synchronous and Asynchronous Learning Environments Session 6: Digital Ecosystems, Administration, and Management		• Select appropriate educational technologies • Manage LMS-based learning activities • Facilitate online learning effectively
Module 4: Creating Engaging Learning Experiences	Session 7: Creating effective powerpoint presentations		Create engaging educational content



Module	Sessions	Reading Material	Learning Outcomes
	Session 8: Engaging Learners through Play, Collaboration and Gamification		• Apply active learning strategies • Use gamification and collaboration techniques
Module 5: Teaching Excellence in Digital Learning	Session 9: Professional Development for OBL (Digital Literacy, Content Curation, Virtual Communication Skills) Session 10: Creating Feedback-Rich Learning Environments	Do's and Don'ts: What Students Really Want from Teachers	• Enhance facilitation skills • Foster learner engagement • Provide meaningful feedback
Module 6: Artificial Intelligence and Future of Education	Session 11: Leveraging AI for Teaching, Learning and Content Creation Session 12: Assessment, Supervision and Academic Integrity in the AI Era	The AI Challenge to Traditional Assessment	• Understand AI applications in education • Integrate AI responsibly • Address academic integrity concerns
Module 7: Assessment, Evaluation and Quality Assurance	Session 13: Creating Effective Multiple-Choice Questions Session 14: Assessment and Evaluation of OBL and Frameworks for Online Course Evaluation Session 15: LMS Quality Assurance		• Design high-quality assessments • Evaluate learning effectiveness • Implement quality assurance mechanisms





Module	Sessions	Reading Material	Learning Outcomes
Module 8: Multimedia Design: From Audio Mixing to AI Graphics and Creating New Images	Session 16: AI Graphics and Creating New Images Session 17: Audio Mixing and Developing Multimedia Learning Resources		• Interpret learner analytics • Create multimedia resources • Improve courses through data-informed decision making
Module 9: Learning Analytics	Session 18: Data Analytics for Online and Blended Learning (OBL): Integration and Applications		





Course Pedagogy

- Expert-led live online sessions
- Curated reading materials and learning resources
- Additional support resources shared via the LMS

Course Fee

There is no course fee for participants.

Teaching Methodology:

- Expert-led live online sessions delivered by experienced faculty and subject matter experts.
- Self-paced learning resources hosted on the PHFI Learning Management System (LMS).
- LMS-based discussions to facilitate collaborative learning and knowledge sharing.
- Peer learning activities to encourage exchange of experiences and best practices.
- Reflective exercises to promote continuous learning and self-assessment.
- Learning-by-doing approach, allowing participants to progressively develop components of an online or blended learning programme.
- Community of practice fostering cross-institutional collaboration and the sharing of experiences among participants.

Evaluation & award of online certification

Participants will be awarded a **Certificate of Successful Completion** upon fulfilling the following requirements:

- Minimum 70% attendance in the live online sessions.
- Submission of all required assessments and practical activities.

System Requirements:

- Internet bandwidth: 1 Mbps (5 Mbps recommended)
- Processor: Intel Pentium 4 or equivalent and above
- RAM: 1 GB and above (2 GB recommended)
- Supported browsers: Recent-Google Chrome, Mozilla, Safari, Internet Explorer and Microsoft Edge
- Supported operating systems: Windows 7 or higher with the latest updates installed, Mac OS X 10.3 or higher with the latest updates installed, Linux and Android, etc.
- Headphone

For course-related queries, please contact:
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