Blended learning in Health Education Curriculum

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Learning objectives

- Define the term blended learning
- Provide and overview of Blended learning
- Discuss development and use of blended learning in a classroom set up
- Outline components of Blended learning

Learning objectives cont…

- Differentiate between synchronous and asynchronous
- Identify common tools used in cooperating blended learning
- Explain advantages and disadvantages in
- Describe the roles of IA in BL

What is Blended Learning?

It's a strategy!

Blended Learning Machine

MIX IT UP with Blended Learning

Overview

- **Garrison and Kanuka, (2015) Blended learning** is the integration of classroom "face-to-face" learning with online learning experiences.

- **Oxford Dictionary, Blended learning** a style of education in which students learn via electronic and online media as well as traditional face-to-face teaching.

- **Nyerere et al., (2016) Blended learning** is a method of teaching that intergrade technology and digital media with traditional instructor-led classroom activities, giving students more flexibility to customize their learning experience.
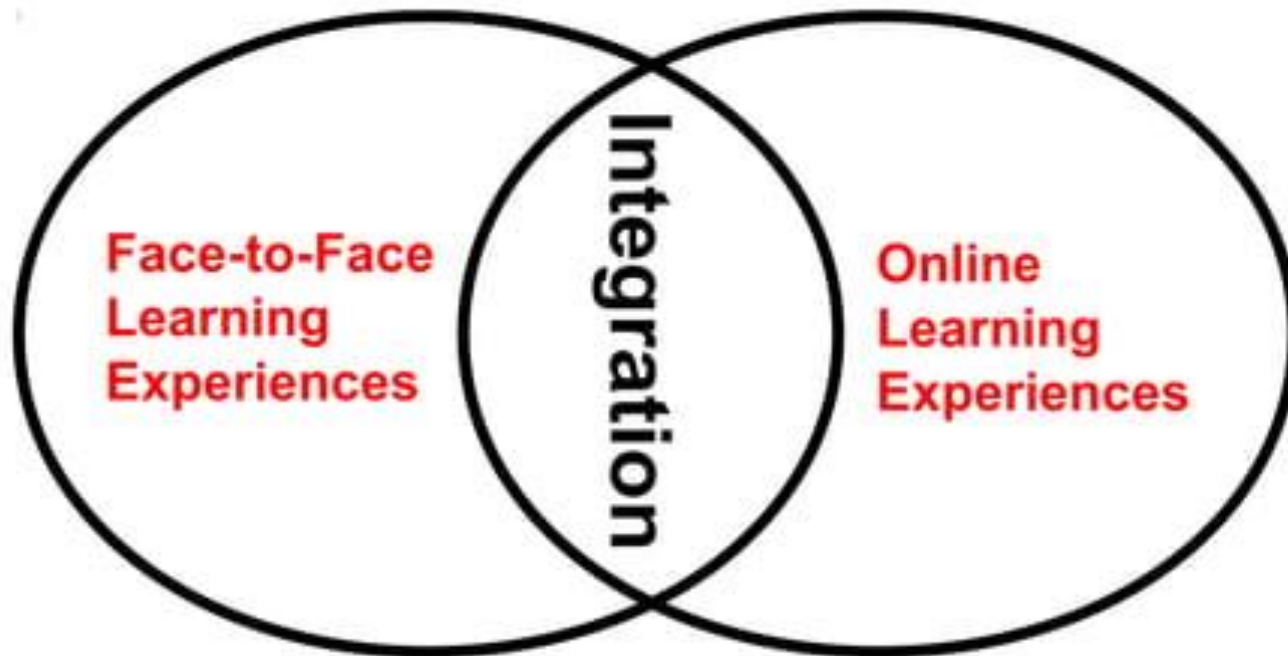
Overview

- **Historical development of Blended learning according to Rose. B and Gage K. (2009)**

  - Between 1960's /1970's

    - Mainframe for computer based training in USA

  - Between 1970's /1980's

    - TV based technology to support employee training

  - Between 1980's /1990's

    - CD-ROM later LMS

  - Between 2000's until to date

    - Fist generation of web based instruction

    - Blended learning

Current issues affecting BL use in university

- **Ainsley et al., (2019).** Technology advancement in the world is influencing the way many discipline are conducting training at the University.

- **(Bloomfield et al., 2014)** Globally, Universities are strangling to adopted to new style of teaching/learning in order to meet the emerging dynamic needs of leaners.

- **Kibuku et al., (2022)** African Universities are more disadvantaged on implementing virtual learning despite the need due social economical problems that needs to be addressed.

- **Nyerere J. et al., 2020** there are many mature entry students in Kenya who would wish to CPD at the University level but they are unable due to the old rigid University education system that is been strongly implemented

Blended Learning

- Combination of Traditional classroom teaching and online learning

Face-to-Face Learning Experiences

Integration

Online Learning Experiences

BLENDED LEARNING

Blended Learning

From **passive** learning to **active** learning

Blended learning models

1) Face to face driver model

2) The rationale model

3) Flex model

4) Online model

5) A La carte lab model

6) Enrich virtual model

Blended learning models cont…

Face to face : Typical to school structure where students functions in various levels of ability and mastery

Rationale: students rotate either in fixed schedule or at Teacher direction and among the learning model on is online

Flex Model : require one to one technology access

On lab model: Program depend pure online delivery

A La carte lab model: combine face to face with elective course chosen by the leaner according to their interest and learning needs

Enriched mode: Learning is divided between online and offline mode

Components of Blended learning

- **Synchronous components**
- **Asynchronous components**

Components of Blended learning

Synchronous components means real-time learning

Synchronous Physical/Face-to-Face

Components e.g.,
- Face-to-face Tutoring
- Coaching or Mentoring Sessions
- Classroom
- Workshops
- Conferences
- Meetings
- Labs

Components of Blended learning

- Synchronous Electronic Components e.g.,
  - Internet conferencing
  - Audio Conferencing (i.e., phone conferencing)
  - Live Video via satellite or Videoconferencing
  - Virtual Online Classroom
  - Instant Messaging

Components of Blended learning

- Asynchronous Components means not real-time learning
  - Asynchronous Components
    - On-line self-paced Learning Content (Web pages)
    - E-mail, Discussion Forums
    - EPSS (Electronic Support Systems) & Job Aids
    - Web/Computer-Based instruction
    - Books, Articles, CD-ROM
    - Audio (disc/tape) ,Video (disc/tape) , White papers

What tools can use to incorporate blended learning ?

- ✓ Google classroom
- ✓ Google meets
- ✓ LMS e.g Moodle
- ✓ Zoom
- ✓ Story mapping
- ✓ Mzizi
- ✓ Eduweb
- ✓ Sukuul
- ✓ Mwalimu plus
- ✓ whats up

Android apps for use in BI

a) White board
b) Kahoot
c) Jamboard
d) Google classroom
e) Quizlet
f) Khan academy
g) Explain everything
h) Padlet
i) Minecraft
j) Scratch

Blended Learning as a pedagogy for 21st century

- Increased educational technology, easy-to-use software and a wide variety of mobile and digital platforms make blended learning models more accessible.
- Blended Learning considers strengths and weaknesses in both traditional classroom teaching and online learning and merges the strengths of both.
- Blended Learning, a chosen pedagogy for 21st century

Advantages of Blended Learning

- Increased accessibility
- Improved communication
- Self-pacing
- Learning becomes interesting
- Increases student motivation
- Improves efficiency in classroom
- use of e-textbooks drive down costs
- Access to global resources and materials
- Interaction with teachers and people from different parts of globe

Advantages of Blended Learning (cont..)

- ► **Helps develop knowledge of using the latest technologies and the Internet**
- ► **Learners have the ability to track their progress**
- ► **More student-centric approach to education**
- ► **Learners keep pace with advancements of 21st century**
- ► **Students connect with concepts at deeper level**

Disadvantages of online learning over blended learning

- Lack of motivation
- Decreased communication
- Loneliness
- Learn in isolation
- Lack of belongingness and real environment
- Personal touch between teacher and student not there
- Lack of Hands-on learning opportunities

Disadvantages of online learning over blended learning (cont..)

- Lack of adequate feedback
- Decreased academic performance
- Lack of collaborative tasks

Prerequisite of Blended learning

❑Well trained teachers

❑Teacher with scientific attitude

❑Teacher with wider outlook and positive change towards

 ICT adoption and use

❑Adequate ICT infrastructure

❑Formative evaluation

What are the roles Lectures and Students roles in BI?

Challenges facing use of BL

Richardson et al., 2021 identified the following

- ❑   Technology access

- ❑   Design

- ❑   Safety and security

- ❑   Skill development

- ❑   Motivation

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