

ADL551 Technologies in Teaching and Learning

Level: 5

Credit Units: 5 Credit Units

Language: ENGLISH

Presentation Pattern: EVERY JAN

Synopsis:

ADL551 Technologies in Teaching and Learning provides students with an understanding of the various contemporary digital technologies designed and developed to support specific pedagogies. Besides having the opportunity to explore these technologies, knowledge of how they support access to and enable processing of subject-matter knowledge is unpacked. The Technological, Pedagogical, and Content Knowledge (TPACK) will be used as the undergirding learning and design framework. The implications of these digital technologies in higher education and workplace learning will also be discussed.

Topics:

- Augmented, virtual reality
- Authentic learning pedagogy
- Mobile learning
- Computer-supported collaborative learning
- Artificial Intelligence
- Cognitive tutors and cognitive tutoring
- Game-based learning
- Participatory, engaged learning
- Technological, pedagogical content knowledge (TPACK)
- Affordances and limitations of digital technologies
- Implications for higher education and workplace learning
- Preparedness and success in technology-enabled learning

Textbooks:

Bower, M.: Design of Technology-Enhanced Learning: Integrating Research and Practice. Emerald Publishing Limited
ISBN-13: 9781787141834

Bower, M.: Design of Technology-Enhanced Learning: Integrating Research and Practice. Emerald Publishing Limited
ISBN-13: 9781787141834-AA

Learning Outcome:

- Examine the different technologies and their affordances.
- Appraise the use of technologies for specific pedagogies.
- Critique key strengths and weaknesses of technologies in teaching and learning.
- Create a lesson unit infusing digital technology to support learning.
- Construct effective learning activities arising from technology-enabled learning design.
- Analyse the broader implications and future directions of technologies in teaching and learning.

Assessment Strategies:

Continuous Assessment Component	Weightage (%)
PRE-CLASS QUIZ	5
TUTOR-MARKED ASSIGNMENT	45
Sub-Total	50

Examinable Component	Weightage (%)
ECA	50
Sub-Total	50

Weightage Total **100**