

CLM5064

TECHNOLOGY FOR TEACHING AND LEARNING

Coordinator: [Hajah Siti Haslina bt Hussin](#)

Credit	4												
Prerequisite/s	CLM5014 Teaching and Learning in Higher Education CLM5024 Curriculum & Instructional Design CLM5034 Principles of Teaching and Learning												
Synopsis	This course introduces the technology for teaching and learning its concepts, types and functions in education and training, especially in institutions of higher learning. The course covers the process of utilisation, management and evaluation of technology for teaching and learning. Included in the discussions is the infusion of some of the latest technologies for teaching and learning. Emphasis is given to the process of designing, developing and evaluating teaching-learning materials using multimedia and web-based technologies.												
Learning Outcomes	By the end of this course, students will be able to: <ul style="list-style-type: none">• Arrange systematically the use of media and technology for effective teaching-learning for higher education• Justify the use of appropriate media and technology for different teaching-learning contexts• Construct a web-based learning environment to complement classroom teaching• Construct commercialisable web-based learning modules												
Student Learning Hours	<table border="1"><tr><td>Lectures</td><td>40 Hours</td></tr><tr><td>Laboratories/ Practical</td><td>16 Hours</td></tr><tr><td>Student-Centered Learning</td><td>10 Hours</td></tr><tr><td>Self-Study</td><td>90 Hours</td></tr><tr><td>Quizzes, Tests, & Examinations</td><td>4 Hours</td></tr><tr><td>Total</td><td>160 Hours</td></tr></table>	Lectures	40 Hours	Laboratories/ Practical	16 Hours	Student-Centered Learning	10 Hours	Self-Study	90 Hours	Quizzes, Tests, & Examinations	4 Hours	Total	160 Hours
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Learning Units	<ol style="list-style-type: none">1. Concept of Technology for Teaching and Learning<ul style="list-style-type: none">• Basic concepts of technology for teaching and learning• Evolution of technology for teaching and learning2. Types and Functions Technology for Teaching and Learning<ul style="list-style-type: none">• Digital and non-digital media• Display technologies• Tips of effective use3. Systematic Planning for the Effective Use of media 8 and Technology<ul style="list-style-type: none">• Systematic planning for technology-based teaching and learning• Instructional design principles• Motivational principles												

	<p>4. Using Web 2.0 Tools</p> <ul style="list-style-type: none"> • Design of Learning Environments • Development of Learning Environments <p>5. Trends and Issues in Technology and Media</p> <ul style="list-style-type: none"> • Emerging technologies <p>6. Constructing courses using UNIMAS</p> <ul style="list-style-type: none"> • Online Learning System (Morpheus) • Online learning pedagogy • Online learning solutions <p>7. Enriching Students' Online Learning</p> <ul style="list-style-type: none"> • Experience • Morpheus Video-on-Demand 										
<p>Assessment</p>	<table border="1" data-bbox="408 763 855 1160"> <tr> <td>Assignment 1 (Individual)</td> <td>30 %</td> </tr> <tr> <td>Assignment 2 (Group)</td> <td>20 %</td> </tr> <tr> <td>Group Project</td> <td>20 %</td> </tr> <tr> <td>Final Examination</td> <td>30 %</td> </tr> <tr> <td>Total</td> <td>100 %</td> </tr> </table>	Assignment 1 (Individual)	30 %	Assignment 2 (Group)	20 %	Group Project	20 %	Final Examination	30 %	Total	100 %
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<p>References</p>	<ol style="list-style-type: none"> 1. Jonassen, P.H. (2000). Computers as mindtools for schools: Engaging critical thinking. Upper Saddle River, NJ: Prentice Hall. 2. Norton, P., & Sprague, D. (2001). Technology for teaching. Boston, MA: Allyn and Bacon. 3. Roblyer, M. R., Edwards, J. (2000). Integrating educational technology into teaching. Upper Saddle River, NJ: Merrill 4. Smaldino, S.E., Russell, J.D., Heinich, R., & Molenda, M. (2005). Instructional Technology and Media for Learning. New Jersey: Pearson Prentice Hall. 										