



UNIVERSITI TEKNOLOGI MARA

EDU711: INSTRUCTIONAL TECHNOLOGY:THEORIES AND PRACTICES

Course Name (English)	INSTRUCTIONAL TECHNOLOGY:THEORIES AND PRACTICES APPROVED
Course Code	EDU711
MQF Credit	3
Course Description	This course focuses on the foundation of Instructional Technology, theories of human communication and learning, and the roles of technology to enhance learning. Technology is defined as products as well as processes. By the definition of product, the potentials and the attributes of several media hard wares and soft wares capable to enhance learning are explored. By the definition of process, several learning theories and models are examined. This course will provide a well-balanced experience in theories and hands on, through series of lectures, discussions and laboratory activities.
Transferable Skills	Demonstrate ability to identify and articulate self skills, knowledge and understanding confidently and in a variety of contexts Demonstrate ability to communicate clearly and confidently, and listen critically Demonstrate ability to apply creative, imaginative and innovative thinking and ideas to problem solving. Demonstrate enthusiasm, leadership and the ability to positively influence others Demonstrate ability to investigate problems and provide effective solutions
Teaching Methodologies	Lectures, Tutorial, Presentation
CLO	CLO1 Describe the role of technology in teaching and learning, CLO2 Appropriately apply basic instructional development principles to develop and utilize functional materials to enhance teaching learning CLO3 Examine and evaluate the strength, limitation and functions of technology in teaching and learning process.
Pre-Requisite Courses	No course recommendations
Topics	
1. Introduction to instructional technology: Definition, Domains and Historical Perspectives. 1.1) n/a	
2. Theories in human communication and learning. 2.1) n/a	
3. Systematic planning and principles of instructional development. 3.1) n/a	
4. Instructional System Design and Instructional Design Models 4.1) n/a	
5. 21st Century Learning Environment & Strategies 5.1) N/A	
6. E-learning 6.1) N/A	
7. Education and Web 2.0 and Education 4.0 / Industry 4.0 7.1) N/A	

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Individual Project	Prototype	35%	CLO2
	Presentation	Topical Presentation	15%	CLO1
	Test	Test	20%	CLO1
	Written Report	Term Paper	30%	CLO3

Reading List	Reference Book Resources
	<ul style="list-style-type: none"> • Dick W, Carey L & Carey J. 2001, <i>Systematic Design of Instruction</i> , 5 Ed., New York. Addison Abbey. • Heinich R, Molenda M, Russell J.D & Smaldino 2005,) <i>Instructional media and the new technologie</i>, 8 Ed., . New York. Macmillan • Kemp JE and Dyton D 1994, <i>Planning and producing instructional material</i>, New York. Thomas Y. Crowell. • Gaskill, L & Englander D. 1995, <i>How to shoot movie and video story.</i> , . New York Morgan & Morgan • Seels B.B & Richey RC. 1994, <i>Instructional technology: the</i> , AECT. Washington DC. • Smith DL & Ragan TJ 2005, <i>Instructional Design</i> , 3 Ed., New York. McMillan Publication Co. • Newby TJ, Stepich D, Lehman J, Russell J. 2000, <i>Instructional technology for teaching and lea</i>, 2 Ed., Prentice Hall

Article/Paper List	This Course does not have any article/paper resources
Other References	This Course does not have any other resources