

UNIVERSITI TEKNOLOGI MARA SED651: MOTOR LEARNING APPLIED TO PHYSICAL EDUCATION

Course Name (English)	MOTOR LEARNING APPLIED TO PHYSICAL EDUCATION APPROVED					
Course Code	SED651					
MQF Credit	3					
Course Description	This course introduce students to psychomotor concepts and how they are applied to the learning of gross and fine motor skills in order to produce more efficient movement. Emphasis is placed on concepts, principles and theories of learning motor skills, controlling, movement, attention, memory, individual differences, knowledge of results, transfer of learning and practice.					
Transferable Skills	Students are able to explain and relate the concepts, principles and theories of motor learning into physical education and sport practice.					
Teaching Methodologies	Lectures, Lab Work, Practical Classes, Discussion, Presentation					
CLO	 CLO1 Apply relevant test for motor learning in relation to sport practice CLO2 Demonstrate the understanding to transfer concepts, principles and theories of motor learning into physical education CLO3 Demonstrate the values & ethics & professionalism to apply theories of motor learning in relation to individual differences in Physical and Health Education context 					
Pre-Requisite Courses	No course recommendations					
Topics						
 1.1) Why Study Moto 1.2) The Science of M 1.3) Focus on Resea 1.4) Defining Skills 1.5) Components of S 1.6) Classifying Skills 1.7) Focus on Resea 1.8) Focus on Resea 	Notor Learning and Performance Irch 1.1: Franklin M. Henry – Father of Motor Behavior Research Skills					
2. Processing Inform 2.1) The Information- 2.2) Reaction Time a 2.3) Memory System						
3.1) What is Attention 3.2) Limitations in Sti 3.3) Limitations in Re	imulus Identification esponse Selection vement Programming					
	utions to Skilled Performance: Feedback Processing in Motor Control sory Information sory Information ual Control					

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 5. Motor Programs: Motor Control of Brief Actions 5.1) Motor Program Theory 5.2) Evidence for Motor Programs 5.3) Motor Programs and the Conceptual Model 5.4) Problems in Motor Program Theory: The Novelty and Storage Problems 5.5) Generalized Motor Program Theory
 6. Principles of Speed, Accuracy and Coordination: Controlling and Timing Movements 6.1) Speed-Accuracy Trade-Offs 6.2) Sources in Rapid Movements 6.3) Exceptions to the Speed-Accuracy Trade-Off 6.4) Analyzing a Rapid Movement: Baseball Batting 6.5) Accuracy in Coordinated Actions
 7. Individual Differences: How People Differ in Their Performance Capabilities 7.1) The Study of Individual Differences 7.2) Ability Versus Skills 7.3) Is There General Motor Ability? 7.4) Abilities and the Production of Skills 7.5) Prediction and Selection Based on Ability
 8. Skill Acquisition, Retention, and Transfer: How Expertise is Gained 8.1) Skill Acquisition 8.2) Skill Retention 8.3) Skill Transfer
 9. Organizing and Scheduling Practice: How the Structure of Practice Influences Learning 9.1) Off-Task Practice Considerations 9.2) Organizing Practice and Rest 9.3) Variable Versus Random Practice 9.4) Blocked Versus Random Practice
10. Augmented Feedback: How Providing Extra Information Influences Learning 10.1) Feedback Classification 10.2) The function of Augmented Feedback 10.3) How Much Feedback Should Be Given? 10.4) When to Give Feedback

Assessment Breakdown	%
Continuous Assessment	100.00%

Details of					
Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO	
	Practical	To conduct field-laboratory on specific topics and apply to skills in sports	30%	CLO1	
	Presentation	n/a	20%	CLO2	
	Writing Test	Written Test	30%	CLO2	
	Written Report	To prepare report of lab exercise	20%	CLO3	
Reading List	Recommended Text Richard A. Magill & David Anderson 2016, Motor Learning and Control: Concept & Application, 11th Ed., McGraw Hill International Ed Howard N. Zelaznik 1996, Advances in Motor Learning and Control, Ed., , Purdue University. [ISBN:] Albert Gollhofer, Wolfgang Taube, Jens Bo Nielsen 2015, Routledge Handbook of Motor Control and Motor Learning, 1st Ed., Routledge [ISBN: 978-113886042]				
Article/Paper List	This Course does	s not have any article/paper resources			