



UNIVERSITI TEKNOLOGI MARA

SPS606: MOTOR CONTROL AND LEARNING

Course Name (English)	MOTOR CONTROL AND LEARNING APPROVED
Course Code	SPS606
MQF Credit	3
Course Description	This course provides students with an overview of neural mechanisms underlying human movement. The approach is on behavioural and neurphysiological process to understand the acquisition and execution of motor skills.
Transferable Skills	Be able to apply the theoretical knowledge in motor control and learning to teaching motor skills
Teaching Methodologies	Lectures, Lab Work, Demonstrations, Practical Classes, Presentation, Journal/Article Critique
CLO	CLO1 Describe fundamental principles, concepts and theories in motor control and learning. CLO2 Apply concepts and principle in motor control and learning to teaching, skill development and performance CLO3 Design motor skill acquisition program to optimize motor skill performance.
Pre-Requisite Courses	No course recommendations
Topics	
1. Motor skills and abilities 1.1) Motor skills classification 1.2) Measurement of motor performance 1.3) Motor abilities	
2. Motor control 2.1) Neural mechanism of motor control 2.2) Theories of motor control 2.3) Sensory components of motor control 2.4) Performance and motor control characteristics of functional skills	
3. Attention and memory 3.1) Attention theories 3.2) Memory components	
4. Motor skill learning 4.1) Defining and assessing learning 4.2) The stages of learning 4.3) Transfer of learning	
5. Instruction and augmented feedback 5.1) Demonstration and verbal instruction 5.2) Augmented feedback	
6. Practice conditions 6.1) Practice variability and specificity 6.2) The amount and distribution of practice 6.3) Whole and part practice	

Assessment Breakdown	%
Continuous Assessment	60.00%
Final Assessment	40.00%

Details of Continuous Assessment	Assessment Type	Assessment Description	% of Total Mark	CLO
	Final Project	Lab Report Group Assignment	30%	CLO3
	Journal/Article Critique	Journal Review Group Assignment	20%	CLO2
	Presentation	Recorded Presentation Group Assignment	10%	CLO1

Reading List	Recommended Text	Magill, R. A. & Anderson, D. 2017, <i>Motor Learning and Control: Concepts and Applications</i> , 11 Ed., New York: McGraw-Hill Company. [ISBN: 978-007802267]
Article/Paper List	This Course does not have any article/paper resources	
Other References	This Course does not have any other resources	