Queen's University School of Kinesiology and Health Studies



Course Name: KNPE 493/3.0 Special Topics in	Course Instructor: Dr. Gerome Manson		Contact Hours: Lectures: 1 x 3 hrs / 12 weeks Prerequisite: Level 4 in a KINE plan		
Kinesiology Fall 2024 Topic: Sensorimotor Control			This course will count towards the Applied Exercise Science option.		
			Exclusion:		
Course Description:			Course Texts:		
This course is designed to with the voluntary control of limb movements. These principles and theories will provide the student with selected concepts of human movement control and a framework for their application in research, teaching, and coaching. The objective of the course is the understanding of concepts and phenomenon associated with sensory and central nervous system contributions to the execution of goal-directed limb movements.			All readings will be posted online to the ONQ web page.		
Learning Outcomes:			Course Evaluation:		
 To know the neurological subsystems associated with motor control and their functions To understand the relative contribution of sensory information and the central nervous system for goal-directed behaviour To be aware of some of the experimental approaches in motor control research To be aware of the presented human information processing models for the control of limb movements To be capable of interpreting and presenting motor control research To gain creativity in the application of motor control principles 			Brief Lecture Presentation 10% Topic Paper Presentation Summary Outline 15% Topic Paper Presentation 15% Final Exam 60%		
Course Outline					
			ory modulation of movement, posture and		
			comotion. inal models		
Visuo-motor control Neuro		•	behavioral Perspectives.		
		•	schema and body image		
The Vestibular System Dissoc			iable components		

Behavioral Motor Control