Queen's University School of Kinesiology and Health Studies



O Name	Course Instructor	r.	Contact Hours:	
Course Name: KNPE 493/3.0	Dr. Gerome Manson		Lectures: 1 x 3 hrs / 12 weeks	
	Dr. Gerome Manson	''		
Special Topics in			Prerequisite:	
Special Topics in Kinesiology		Level 4 in a KINE plan		
Fall 2023 Topic: Neural Basis of Human Sensorimotor Control			This course will count towards the Ap Exercise Science option.	oplied
			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 		s in	Midterm Topic Paper Presentation Summary Outline Topic Paper Presentation Final Exam	20% 10% 15% 55%
Course Outline			1	
			ory modulation of movement, posture and otion.	
			models	
, ,			obehavioral Perspectives.	
			dy schema and body image	

The Vestibular System	Dissociable components
Behavioral Motor Control	