

<p><b>Course Name:</b>  <b>KNPE 261/3.0</b></p> <p>Theory of Motor Behaviour and Motor Learning</p>	<p><b>Course Instructor:</b></p> <p>Dr. Gerome Manson</p>	<p><b>Contact Hours:</b></p> <p>Lectures: 2 x 1.5 hrs / 12 weeks  Labs: 1 x 2 hrs / 12 weeks</p>																				
<p><b>Course Description:</b></p> <p>This course will explore the acquisition of motor skills. The principles and theories outlined in this course will provide students with a basic knowledge of sensorimotor behaviour for applications in physical education, kinesiology, and rehabilitation. The main objective of the course is to understand motor skill acquisition, and the principles and procedures available to optimize learning in physical activity programs.</p>		<p><b>Prerequisite:</b></p> <p>Level 2 or above in a KINE Plan.</p>																				
<p><b>Learning Outcomes:</b></p> <ul style="list-style-type: none"> <li>• Demonstrate the ability to develop and evaluate motor skill learning in a variety of contexts.</li> <li>• Demonstrate an understanding of the underlying behavioural, neural, and mechanical principles that contribute to motor skill learning.</li> <li>• Demonstrate the ability to read, synthesize, and translate research findings.</li> <li>• Evaluate experimental approaches to the assessment of motor behaviours.</li> </ul>		<p><b>Exclusion:</b></p> <p><b>Course Texts:</b></p> <p>Lecture notes and video content will be available through onQ (<a href="http://onq.queensu.ca">onq.queensu.ca</a>).</p>																				
<p><b>Course Evaluation:</b></p> <table border="0"> <tr> <td>Lab Reports (4)</td> <td>20%</td> </tr> <tr> <td>Formative Evaluation Quizzes (2)</td> <td>20%</td> </tr> <tr> <td>Group Project</td> <td>20%</td> </tr> <tr> <td>Final Exam</td> <td>40%</td> </tr> </table>		Lab Reports (4)	20%	Formative Evaluation Quizzes (2)	20%	Group Project	20%	Final Exam	40%	<p><b>Course Outline</b></p> <table border="1"> <tr> <td>Brief History of Motor Behavior</td> <td>Feedback, Skill Acquisition, and Learning</td> </tr> <tr> <td>Analysis of Motor Control, Learning, and Performance</td> <td>Disordered Motor Control</td> </tr> <tr> <td>Information Processing and Models of Motor Control</td> <td>Motor Learning and Control in Complex Environments</td> </tr> <tr> <td>Sensory and Perceptual Contributions to Motor Control</td> <td>Individual Differences and Motor Abilities</td> </tr> <tr> <td>Speed and Accuracy Trade-offs</td> <td>Evaluating Motor Learning</td> </tr> <tr> <td>Models of Motor Learning</td> <td>Review</td> </tr> </table>	Brief History of Motor Behavior	Feedback, Skill Acquisition, and Learning	Analysis of Motor Control, Learning, and Performance	Disordered Motor Control	Information Processing and Models of Motor Control	Motor Learning and Control in Complex Environments	Sensory and Perceptual Contributions to Motor Control	Individual Differences and Motor Abilities	Speed and Accuracy Trade-offs	Evaluating Motor Learning	Models of Motor Learning	Review
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