EXERSCI 305

Movement Neuroscience
(15 points)
(Semester 1, Grafton & Tāmaki Campuses)

Prerequisites:
EXERSCI 101 or SPORTSCI 101 and 15 points from EXERSCI 201, MEDSCI 206, PSYCH 202, SPORTSCI 201
An understanding of human anatomy at the level covered in EXERSCI 103 or SPORTSCI 103 will also be assumed.

Who should take this course?
- BSc Majors in Exercise Sciences (ES) or Sport and Exercise Science (SES)
- BSc students interested in human neuroscience

Learning Outcomes

In this course students will:
- develop a broad understanding of neurological, physiological and dynamical processes underlying human movement.
- develop a thorough understanding of neurological mechanisms involved in the planning, execution and control of movement in health and disease.
- be introduced to recent advances in neural plasticity as it relates to motor skill learning generally, and motor recovery in neurologically impaired populations

Learning and Teaching

Over the semester students are to attend 24 lectures and 5 three-hour laboratory sessions.

Teaching Staff

Professor Winston Byblow
Director, Movement Neuroscience Laboratory
Department of Exercise Sciences
Centre for Brain Research
373 7599 extn 86844
w.byblow@auckland.ac.nz

Assessment*

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Lab Reports</td>
<td>30%</td>
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<tr>
<td>Mid-Semester Exam</td>
<td>20%</td>
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<tr>
<td>In Class Quizzes</td>
<td>10%</td>
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<tr>
<td>Final Exam</td>
<td>40%</td>
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*subject to change

Recommended Textbooks

Readings, lecture notes and study questions are made available online at beginning of semester and before each lecture.

Additional Resources available from the library:
Student Feedback

In 2017:

- 91% of students:
  - agreed that assessments supported the aim of the course
  - were satisfied with the quality of the small-group teaching