

# Unit Outline (Higher Education)

<b>Institute / School:</b>	Institute of Health and Wellbeing
<b>Unit Title:</b>	Neurological Focused Physiotherapy
<b>Unit ID:</b>	NHPPS2013
<b>Credit Points:</b>	15.00
<b>Prerequisite(s):</b>	(NHPBM1032 or NHPPS1122) (NHPPS1002)
<b>Co-requisite(s):</b>	(NHPPS2113)
<b>Exclusion(s):</b>	Nil
<b>ASCED:</b>	061701

## Description of the Unit:

Students will be introduced to the role that physiotherapists have in the presentation of neurological pathology. This will cover both pathology that occurs following acute trauma (i.e spinal cord injury, stroke) or that occurs developmentally. The unit will cover the pathophysiology of the presentations along with the expected physical impairments that occur secondary to the disease. Practical skills will be taught concerning the management of pathology, which will continue to build on the clinical reasoning skills taught within the previous physiotherapy units. Students are expected to apply evidence based practice to these particular skills. Students are exposed to a variety of treatment options including targeted equipment prescription, motor control and sensory training

**Grade Scheme:** Graded (HD, D, C, P, MF, F, XF)

## Work Experience:

No work experience

**Placement Component:** Yes - 1 days

**Supplementary Assessment:** Yes

Where supplementary assessment is available a student must have failed overall in the Unit but gained a final mark of 45 per cent or above, has completed all major assessment tasks (including all sub-components where a task has multiple parts) as specified in the Unit Description and is not eligible for any other form of supplementary assessment.

**Course Level:**

Level of Unit in Course	AQF Level of Course					
	5	6	7	8	9	10
Introductory	■	■	■	■	■	■
Intermediate	■	■	✓	■	■	■
Advanced	■	■	■	■	■	■

### Learning Outcomes:

#### Knowledge:

- K1.** Describe the role of physiotherapy in relation to a variety of neurological pathologies
- K2.** Understand the variety of physical impairments that occur secondary to the presentation of neurological pathologies
- K3.** Recognise the pathophysiological processes that occur as a result of neurological disease
- K4.** Examine the neurological motor components involved across various functional movements and how these can be impeded due to the presence of neurological disease
- K5.** Explain the variety of physiotherapy treatment options that are available in the presentation of neurological disease

#### Skills:

- S1.** Adjust subjective questioning based on a variety of neurological impairments and pathologies
- S2.** Plan and execute a targeted objective examination based on a variety of neurological presentations
- S3.** Successfully complete an assessment of balance within the context of a neurological pathology
- S4.** Demonstrate a basic assessment and treatment in relation to the presentation of vertigo
- S5.** Provide a range of treatment options in relation to the presentation of neurological disease

#### Application of knowledge and skills:

- A1.** Demonstrate the knowledge of the pathophysiology of disease along with the results of subjective and objective examination to deliver a targeted physiotherapy treatment plan across a variety of neurological presentations
- A2.** Apply the knowledge of the pathophysiology of disease along with the results of subjective and objective examination to determine the likely prognosis in the presentation of the neurological patient
- A3.** Apply the principles of interprofessional practice to deliver targeted evidence based treatment that is consistent with the needs and goals of the individual patient

#### Unit Content:

Application of physiotherapy within neurology Impairment of the motor and somatosensory system Pathology of the central nervous system (i.e stroke, acquired brain injury) Pathology of spinal cord injury Pathology of motor neurone disease Pathology of cranial nerve injury Assessment and treatment of vertigo Subjective and objective assessment of the neurological patient Movement analysis across a variety of functional settings Analysis of balance Prescription of assistive technology

#### Learning Task and Assessment:

Learning Outcomes Assessed	Assessment Tasks	Assessment Type	Weighting
K1, K2, K4, K5, S1, S2, S5, A1, A2, A3	Knowledge-focused test on content covered in the classes and tutorials	Written Test	10-20%
K1, K2, K4, K5, A1, A2, A3	Students will work together to write a comparison between specified elements of physiotherapy	Written Assignment	10-20%
K4, K5, S1, S2, S5, A1, A2	Content from classroom and laboratory sessions	Skills Mastery Checklist	S/U
K4, K5, S1, S2, S3, S4, S5, A1, A2	Concepts and skills from classroom and laboratory sessions	Practical Exam	25-45%
K1, K2, K3, K4, K5, S1, S2, S5, A1, A2, A3	Invigilated written assessment on all topics covered throughout semester	Written Final Examination	25-45%

**Adopted Reference Style:**

APA ( )

Refer to the [library website](#) for more information

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