

# REHA 3017 NEUROLOGICAL PHYSIOTHERAPY

**Credit Points** 10

**Legacy Code** 400986

**Coordinator** Reem Rendell ([https://directory.westernsydney.edu.au/search/name/Reem Rendell/](https://directory.westernsydney.edu.au/search/name/Reem%20Rendell/))

**Description** This subject builds on the knowledge and skills developed in the first 2 years of physiotherapy study. It focuses on client assessment and evidence-based management in neurological physiotherapy contexts. This will require strong communication skills, ethical and professional behaviour and an appreciation of interprofessional care. Professional competencies addressed in this subject include introductory skills in neurological physiotherapy assessment, interpretation and prioritisation of findings, and formulation of basic interventions.

**School** Health Sciences

**Discipline** Physiotherapy

**Student Contribution Band** HECS Band 2 10cp

Check your fees via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Undergraduate Level 3 subject

**Pre-requisite(s)** REHA 2001 AND  
NATS 3037 AND  
NATS 2008 AND  
HLTH 2021 AND  
PUBH 2005 AND  
HLTH 2024

**Co-requisite(s)** REHA 3009 AND  
REHA 3015 AND  
REHA 3003

**Restrictions**

Students must be enrolled in 4706 Bachelor of Physiotherapy or 4733 Bachelor of Physiotherapy (Honours).

## Learning Outcomes

On successful completion of this subject, students should be able to:

1. Explain the pathophysiology of a variety of neurological conditions.
2. Formulate an appropriate person-centered and evidence-based assessment on an individual with a common neurological condition.
3. Perform assessments on individuals with common neurological conditions in an effective, ethical and professional manner in accordance with the Australian Physiotherapy Standards.
4. Select and incorporate appropriate standardised and non-standardised outcome measures when conducting an assessment for an individual with a common neurological condition.
5. Interpret assessment findings and generate a prioritised problem list.
6. Safely execute manual handling tasks to ensure safety of the therapeutic environment.
7. Formulate an initial evidence-based treatment plan for adults with a common neurological condition.

## Subject Content

1. Subjective assessment, investigations, notes.
2. Objective assessment including observation, basic cognition, range of movement, strength, length, sensation, reflexes, spasticity, coordination, proprioception, function, balance and mobility.
3. Task analysis of abnormal movement across a range of everyday upper and lower limb tasks and standardised and non-standardised assessments.
4. Interpretation of findings, prioritisation of client problems and development of a problem list.
5. Design and implementation of basic management techniques including education, and task-related training.
6. Monitoring and evaluation of effectiveness of interventions.
7. Interprofessional communication, ethics, and professionalism.
8. Safe manual handling and environmental set up.

## Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

| Type              | Length     | Percent | Threshold | Individual/<br>Group Task |
|-------------------|------------|---------|-----------|---------------------------|
| Short Answer      | 45 minutes | 30      | N         | Individual                |
| Practical Exam    | 20 minutes | 30      | Y         | Individual                |
| Final Exam        | 2 hours    | 40      | Y         | Individual                |
| Professional Task | N/A        | S/U     | Y         | Individual                |

Prescribed Texts

- Carr, J. & Shepherd, R. (2010). Neurological rehabilitation: Optimising motor performance (2nd Ed.). Sydney: Churchill Livingstone, Elsevier.

Teaching Periods

## 1st Half (2024)

### Campbelltown

**On-site**

**Subject Contact** Reem Rendell ([https://directory.westernsydney.edu.au/search/name/Reem Rendell/](https://directory.westernsydney.edu.au/search/name/Reem%20Rendell/))

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=REHA3017\\_24-1H\\_CA\\_1#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=REHA3017_24-1H_CA_1#subjects))