

### How Bond University Doctor of Physiotherapy Students have been prepared for their Inpatient Orthopaedic Clinical Placement

**Previous learning:** In addition to completing previous coursework in the core areas of Cardiorespiratory and Neurological physiotherapy, students have also completed the following coursework subject:

- *Physiotherapy: Musculoskeletal 1(PHTY71-402)*

The main knowledge and skills covered in this subject are outlined below.

The main knowledge areas covered (orthopaedic inpatient focus)	The main practical skills covered (orthopaedic inpatient focus)
<ul style="list-style-type: none"> <li>• The major physiological and pathological processes occurring in the human musculoskeletal system</li> <li>• The mechanisms of healing and repair in different human tissues and organs related to the musculoskeletal system</li> <li>• The mechanisms of action of pharmacological agents commonly used for orthopaedic conditions</li> <li>• The role of physiotherapy in the management of selected peripheral joint musculoskeletal surgeries</li> <li>• Conducting an inpatient client interview and planning a suitable examination</li> <li>• Conducting an examination of common peripheral inpatient orthopaedic conditions</li> <li>• The basic treatment interventions for common pre- and post-operative peripheral joint orthopaedic surgery</li> <li>• Clinical reasoning surrounding appropriate selection and progression of mobility aids in the orthopaedic inpatient setting</li> <li>• The selection of appropriate outcome measures.</li> <li>• Evaluation of treatment intervention effectiveness and progression or modification of the intervention (based on clinical reasoning and evidence-based practice)</li> <li>• A basic knowledge of modern medical imaging techniques and understanding the rationale for their selection.</li> <li>• Lower limb and upper limb rehabilitation exercise techniques post-operatively, including developing home exercise programs</li> </ul>	<ul style="list-style-type: none"> <li>• Assessment and management of common peripheral joint and spinal orthopaedic inpatient conditions including peripheral joint fractures and pre- and post-operative (elective and non-elective orthopaedic peripheral surgeries)</li> <li>• History taking and physical examination for inpatients following orthopaedic surgery</li> <li>• Use of the clinical reasoning process throughout the interview and history taking and physical examination to develop a provisional diagnosis and key problems from which an appropriate physical assessment and treatment plan can be developed</li> <li>• Treatment and prevention strategies, including exercise prescription, selection of appropriate mobility aids, and client education</li> <li>• Health promotion and injury prevention in an inpatient orthopaedic setting</li> <li>• Role of exercise (prescription, delivery and compliance) for the peripheral joints pre- and post- operatively in the inpatient orthopaedic setting</li> <li>• Evaluation of the effects of the treatment plan with the ability to progress/ modify at an optimal level for the patient's goals.</li> <li>• Short- and long-term goal setting for patients following orthopaedic surgery</li> </ul>