

MASTER OF PHYSIOTHERAPY PRACTICE PRE-REQUISITE INFORMATION FORM

Instructions

- Produce a **single** PDF with a file size of LESS than 5MB with the following documentation, which should be presented in the following order:
 - i. Completed Assumed Knowledge Information Table below
 - ii. A title page entitled “Musculoskeletal Anatomy”, followed by a description of the tertiary subject (this is typically a paragraph outlining the purpose of the subject), and where possible, a full subject outline/unit guide (including schedule/timetable, assessment tasks, list of lectures and workshops) for each unit of study listed for musculoskeletal anatomy, with the evidence for having met the anatomy assumed knowledge. Follow this with the same information in the same format for “Physiology”. Please note, if the same tertiary unit of study (subject) included content for more than one assumed knowledge area, then information from that tertiary unit of study will need to be repeated in each relevant section.
- The form will be considered as complete **ONLY** with the inclusion of the above information for **EACH tertiary** unit (subject) you list on this form.

Musculoskeletal Anatomy

Note –Musculoskeletal anatomy may be covered in stand-alone anatomy subjects or as part of subjects which combine different fields in the subject eg anatomy and physiology in one subject.

You will need to have studied at least TWO subjects containing detailed musculoskeletal anatomy, and across all combined anatomy units you must have covered in detail at least TWO of the following regions: upper limb, lower limb, trunk, head / neck.

Covering neuroanatomy is strongly encouraged, but not mandatory.

Subject code and name	Number of hours/ week	Number of weeks	Year completed
Body regions covered:		Tertiary Subject code(s)	
Upper limb			
Lower Limb			
Trunk (back, thorax)			
Head and/or neck			
Neuroanatomy			

Human Physiology

Physiology may be covered in stand-alone physiology subjects or as part of subjects which combine different fields in the subject.

To cover the physiology you will have undertaken at least 1 subject with a physiology component.

Subject code and name	Number of hours/ week	Number of weeks	Year completed

Non-award / Cross-institutional Studies

List relevant tertiary subjects

Area of study	Institution study undertaken at	Year completed

General Information:

Applicants for the Master of Physiotherapy Practice course must have extensive pre-existing knowledge in the following two essential areas:

- **Musculoskeletal Anatomy – at least 2 units**
- **Human physiology – at least 1 Unit**

The musculoskeletal anatomy and physiology assumed knowledge may be covered in stand-alone subjects or as part of subjects with mixed content. Where individual subjects cover multiple topics (eg. mixed anatomy and physiology subjects), the learning and teaching hours and learning outcomes will be carefully considered to determine if sufficient depth and breadth of both anatomy and physiology has been achieved.

Students can claim pre-requisite subjects from within any tertiary degree, as well as from non-award / individual tertiary units of study. Subjects must be successfully completed by the end of the academic year to enable selection of students into the course at the start of the following year.

It is important that you disclose all relevant study (award and non-award) in your application, failure to do this may result in an unsuccessful application.

Descriptions of the following examples of eligible subjects offered at LTU can be used to match with comparative subjects offered at other universities. Note that these subjects are the core subjects in the Bachelor of Health Sciences Major of Allied Health course.

MUSCULOSKELETAL ANATOMY

ANA1001 – Introduction to Human Anatomy

In this subject, you will explore the fundamentals of human anatomy. You will develop a strong foundation in anatomical terminology, including concepts such as anatomical position, planes, directional terms, and movements. Through focused study of the major body systems—particularly the musculoskeletal and nervous systems—you will learn to apply anatomical knowledge to real-world scenarios and communicate effectively using precise anatomical language.

ANA2001 – Applied Human Anatomy

In this subject, students will build on previously learned anatomical principles and terminology, to cover the applied regional anatomy of the upper limb, lower limb and the trunk (including the vertebral column, as well as the thorax and its role in breathing), and neuroanatomy in relation to sensation and motor control. The concept of integrated function of multiple body systems will be developed in each region. A strong focus on functional anatomy and on applying anatomy to a living body will prepare students for using this knowledge in a professional context.

PHYSIOLOGY

PAM2HP2 – Human physiology 2

In this subject you gain knowledge in systems physiology, including the heart, blood, immune, renal, respiratory and acid-base systems. We discuss how the heart is mechanical pump, followed by how blood vessels control blood flow and pressure. Our focus then shifts to the blood and mechanisms involved in developing immunity. You will gain a detailed understanding of the renal system and how it clears the body of waste while also being an important regulator of blood pressure. The respiratory system then becomes our focus where you will gain understanding of breathing mechanisms and how gasses are transported around the body. We conclude focusing on how the body regulates pH using both renal and respiratory buffers. The detailed online resources in this subject are supported by a comprehensive program of enquiry based workshops. Practical classes will allow you to undertake experiments to enhance your learning experience, whilst building on communication skills.