MASTER OF PHYSIOTHERAPY
PRE-REQUISITE INFORMATION FORM (2021)

COURSE COMMENCEMENT: 18 January 2021
with PTY3GEP at the Melbourne (Bundoora) campus – for Bundoora and Bendigo students
Please note that Bendigo students complete the remainder of their study at the Bendigo campus

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 "Neuroanatomy" and "Physiology (including Exercise Physiology)" (in that order). 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.
- Please contact us at **1300 135 045** should you experience any problem with uploading documents.

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. The musculoskeletal anatomy includes a detailed study of the anatomy of the upper limb, lower limb, back, thorax, head and neck
It is assumed to cover the anatomy you will have undertaken at least 2 subjects with an anatomy component.

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

Area of study:	**Tertiary Subject code(s)**
Upper limb	
Lower limb	
Back, thorax, head and neck	

Neuroanatomy

Note – The neuroanatomy may be covered in stand-alone anatomy subjects or as part of subjects which combine different fields in the subject Neuroanatomy includes the Brain (cortex, brain stem, basal ganglia, thalamus, cerebellum, cranial nerves), Spinal cord (spinal reflexes, sensory and motor pathways) and Cranial nerves

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

Area of study:	**Tertiary Subject code(s)**
Brain	
Spinal Cord	
Cranial nerves	

Physiology (including Exercise Physiology)

Exercise physiology includes cardiovascular, respiratory, endocrine, acid-base and muscle responses to exercise and exercise training

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

Area of study:	**Tertiary Subject code(s)**
Exercise Physiology	

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 three essential areas:

- **Musculoskeletal Anatomy** including a detailed study of the upper limb, lower limb, back, thorax, head and neck

- **Neuroanatomy** including Brain (cortex, brain stem, basal ganglia, thalamus, cerebellum, cranial nerves), Spinal cord (spinal reflexes, sensory and motor pathways) and Cranial nerves

- **Human physiology including exercise physiology** (specifically cardiovascular, respiratory, endocrine, acid-base and muscle responses to exercise and exercise training)

The anatomy and physiology may be covered in stand alone ~~anatomy~~ subjects or as part of subjects with mixed content
It is assumed to cover the anatomy you will have undertaken at least 2 subjects with an anatomy component.

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

We recognise that some universities may teach integrated anatomy and physiology; and that anatomy, physiology, exercise physiology, and neuroscience may overlap.

In these cases, you must demonstrate equivalent coverage of these topics by having undertaken between three and five units of study (subjects) of the material described below. The depth of coverage and learning and teaching hours per unit of study (subject) will be assessed and taken into account.

All the tertiary units of study used to cover pre-existing knowledge can be studied as non-award tertiary units. Successful completion of such study will meet the assumed knowledge requirement in the stated area(s). Please note that if you choose to undertake such non-award study, it will have to be completed (or be on track to complete) at the end of the 2020 academic year.

Please be aware that regardless of what method you choose in order to meet the assumed knowledge criteria, you have to complete this before commencement of the Master of Physiotherapy degree.
If you are currently studying at another university, depending on your course framework and if permitted by your home institution/faculty, you could also do the necessary units to cover the pre-existing knowledge requirements as cross-institutional units.

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

Descriptions of the subjects offered at LTU can be used to match with a comparative course/ courses at your University.

HBS2ALT Anatomy of the Lower limb and Trunk

In this subject the anatomical principles and terminology introduced in HBS1HBB will be applied to the detailed study of the anatomy of the back, lower limb and thorax. The concept of integrated function of multiple body systems will be developed in each region. Teaching will include both online learning and face-to-face teaching sessions including practical classes involving cadaver materials and surface anatomy. You will be required to work together in small groups to take responsibility for your own learning and understanding of anatomy so that you are able to identify anatomical structure and function on a living body as you would in a clinical context.

HBS3AUN Anatomy of the Upper limb, head and neurosciences

In this subject the anatomical principles and terminology introduced in HBS1HBB and extended in HBS2ALT will be applied to the detailed study of the anatomy of the upper limb, the head and neck, and to the study of neurosciences. The concept of integrated function of multiple body systems will be developed in each region and relevant medical imaging techniques and clinical assessment skills will be incorporated. Lectures will provide an outline of the major content of this subject, but students will be responsible for their own learning through a variety of practical activities and integrated enquiries with clinical applications

HBS2PBM Physiology and biomechanics of Movement

In this subject students will be presented with an integration of mechanical, physiological and anatomical concepts and principles and their application to the understanding of human physical performance in health and disease. Emphasis is placed on the biomechanics of human gait and relevant examples of sports activities. Topics in biomechanics cover the areas of kinematics, kinetics, muscle mechanics and energetics. Topics in physiology build on knowledge gained in first-year and emphasise the short and longer-term responses of skeletal muscle and the cardiovascular and respiratory systems to exercise. In addition, attention is focused on the link between the level of skeletal muscle adaptation and the cardio-respiratory and metabolic responses to exercise.