



**MASTER OF EXERCISE PHYSIOLOGY
PRE-EXISTING KNOWLEDGE REQUIREMENTS 2019**

Instructions

- Tick the boxes provided below if you have gained knowledge in the area and list associated units of study completed (or are on track to complete).
- The form will be considered as complete ONLY with the inclusion of (a) Academic transcript¹, (b) Unit (subject) name and unit code¹, (c) Unit (subject) curriculum/Unit of study outline¹, (d) Unit teaching schedule/timetable², (e) Lecture and tutorial hours per week/semester² for EACH unit (subject) listed
- Poorly ordered, disorganised or incomplete submissions will not be assessed
- Please contact us at admissions.healthsciences@sydney.edu.au should you experience any problem with uploading documents

Name:	Student ID:
Applicant type: International Domestic	Email ID:
Phone:	Date:

Pre-existing knowledge area	Academic evidence of:	Unit of Study
Human Anatomy	<input type="checkbox"/> Bones <input type="checkbox"/> Nerves <input type="checkbox"/> Joints <input type="checkbox"/> Cardiovascular system <input type="checkbox"/> Ligaments <input type="checkbox"/> Respiratory system <input type="checkbox"/> Muscles <input type="checkbox"/> Brain and spinal cord <input type="checkbox"/> Blood vessels <input type="checkbox"/> Nervous system	List Unit codes
Human or Exercise Physiology	<input type="checkbox"/> Cardiovascular physiology <input type="checkbox"/> Respiratory physiology <input type="checkbox"/> Muscle physiology <input type="checkbox"/> Nervous system physiology <input type="checkbox"/> Exercise physiology (acute response) – desirable <input type="checkbox"/> Exercise physiology (training response) – desirable	List Unit codes
Research Design and Statistics	<input type="checkbox"/> Research design <input type="checkbox"/> Methods of data analysis and interpretation <input type="checkbox"/> Hypothesis testing <input type="checkbox"/> Quantitative methods of data analysis	List Unit codes

Non-award/Cross-institutional studies

Please give us more information if you are undertaking any non-award or cross-institutional unit(s) of study at a tertiary level to fulfill the Pre-existing knowledge requirements

List relevant Unit Code & Name and indicate what topic area it relates to:

1.

2.

3.

¹ Document is mandatory

² Document is desirable

General Information:

Applicants for the Master of Exercise Physiology course must have extensive pre-existing knowledge in the following three **essential** areas:

- Human Anatomy
- Human or Exercise Physiology
- Research Design and Statistics

As an applicant, you have to prove that you have studied the above mentioned topic areas. This has to be studied at the tertiary level as stand-alone units or as a combination of different units that meets the requirements as described in the next section.

All the units mentioned below can be studied as non-award units through the Faculty of Health Sciences. Successful completion of such study will meet the Pre-existing 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) before commencement of the main Master's program.

Depending on availability and scheduling, **non-award studies*** can be done at the Faculty of Health Sciences or through **Summer School**. Handbook links to each non-award unit is provided in the following pages; refer to the pages to determine session availability. Please be aware that regardless of what method you choose in order to meet the Pre-existing knowledge criteria, you have to complete this before commencement of the main program. Also to be noted is that if you do the units as a non-award student, you will have to pay upfront and will not be eligible for HECS-Help.

NOTE: Non-award study is subject to availability and therefore may not be offered in all sessions advertised in the Faculty Handbook.

If you are currently studying at another faculty or university, depending on your course framework and if permitted by your home institution/faculty, you could also do the units mentioned in this document as **cross-institutional** units. By studying these units as a cross-institutional student, you will not have to pay for the unit(s) upfront as they will be considered as part of your current award course. Fees for any units done as cross-institutional can be absorbed into your current HECS debt (or as per your current payment method).

*Non award units are best suited for domestic applicants or in some cases international applications currently in Australia. However international applicants will need to work out their visa requirements and eligibility to do non- award units with the Department of Immigration.

Definitions of Pre-existing knowledge areas

Human Anatomy

- Study of *human* anatomy, particularly of the cardiopulmonary, nervous and musculoskeletal systems
- It is *essential* that the following areas of the human body have been studied - bones, joints, ligaments, muscles, blood vessels and nerves of the upper limb, lower limb, vertebral column, thorax and pelvis, as well as the anatomy of the cardiovascular and respiratory system, brain and spinal cord and the somatosensory nervous system
- It is *desirable* that applicants have also studied histological features of tissues of the cardiopulmonary, nervous and musculoskeletal systems, to have used a regional approach to their study (i.e. studied the complete anatomy of the shoulder or hip or ankle and foot at one time *before moving* onto another body region) and to have attended laboratory classes in which human cadavers are studied
- **BIOS1168*** *Functional Musculoskeletal Anatomy A* (Semester 2 only) **AND** **BIOS1169** *Functional Musculoskeletal Anatomy B* (Semester 1 only) are both units that are offered in the Faculty of Health Sciences and are available as undergraduate non-award study units. Successful completion of **BOTH** units fulfils the Pre-existing knowledge requirement for Human Anatomy. Please refer to <http://sydney.edu.au/courses/health-sciences-undergraduate-non-award> for further information on how to apply

Note: Students will only be permitted to enrol in the following order: BIOS1168 – semester 2 & BIOS1169 – semester 1.

Human or Exercise Physiology

- Study of the anatomy, histology, and physiology of the main systems of the human body
- It is *essential* that the following systems of the human body have been studied - cardiovascular, respiratory, muscular and nervous. It is *desirable* that applicants have also studied pathophysiology of the systems described above
- It is *desirable* that the following systems of the human body have been studied – renal, digestive, reproductive and endocrine
- It is *essential* that the applicants have also studied the impact of acute exercise on system function and adaptations to the systems of the body during exercise
- **BIOS1170*** *Body Systems: Structure and Function* is offered by the Faculty of Health Sciences as an undergraduate non-award study unit. Successful completion of this unit fulfils the Pre-existing knowledge criteria for Human or Exercise Physiology. Please refer to <http://sydney.edu.au/courses/health-sciences-undergraduate-non-award> for further information on how to apply

Research Design and Statistics

- Study of experimental research design and methods of data analysis and interpretation
- It is *essential* that the applicants have studied research design and hypothesis testing
- It is *essential* that applicants have studied quantitative methods of data analysis and be familiar with some common data analysis tools
- **HSBH1007*** *Health Science and Research* is offered by the Faculty of Health Sciences as an undergraduate non-award study units. Successful completion of this unit fulfils the Pre-existing knowledge criteria for Research Design and Statistics. Please refer to <http://sydney.edu.au/courses/health-sciences-undergraduate-non-award> for further information on how to apply

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