



Induction Manual

DOCTOR OF PHYSIOTHERAPY
2019 INTAKE (Intake 8.0)

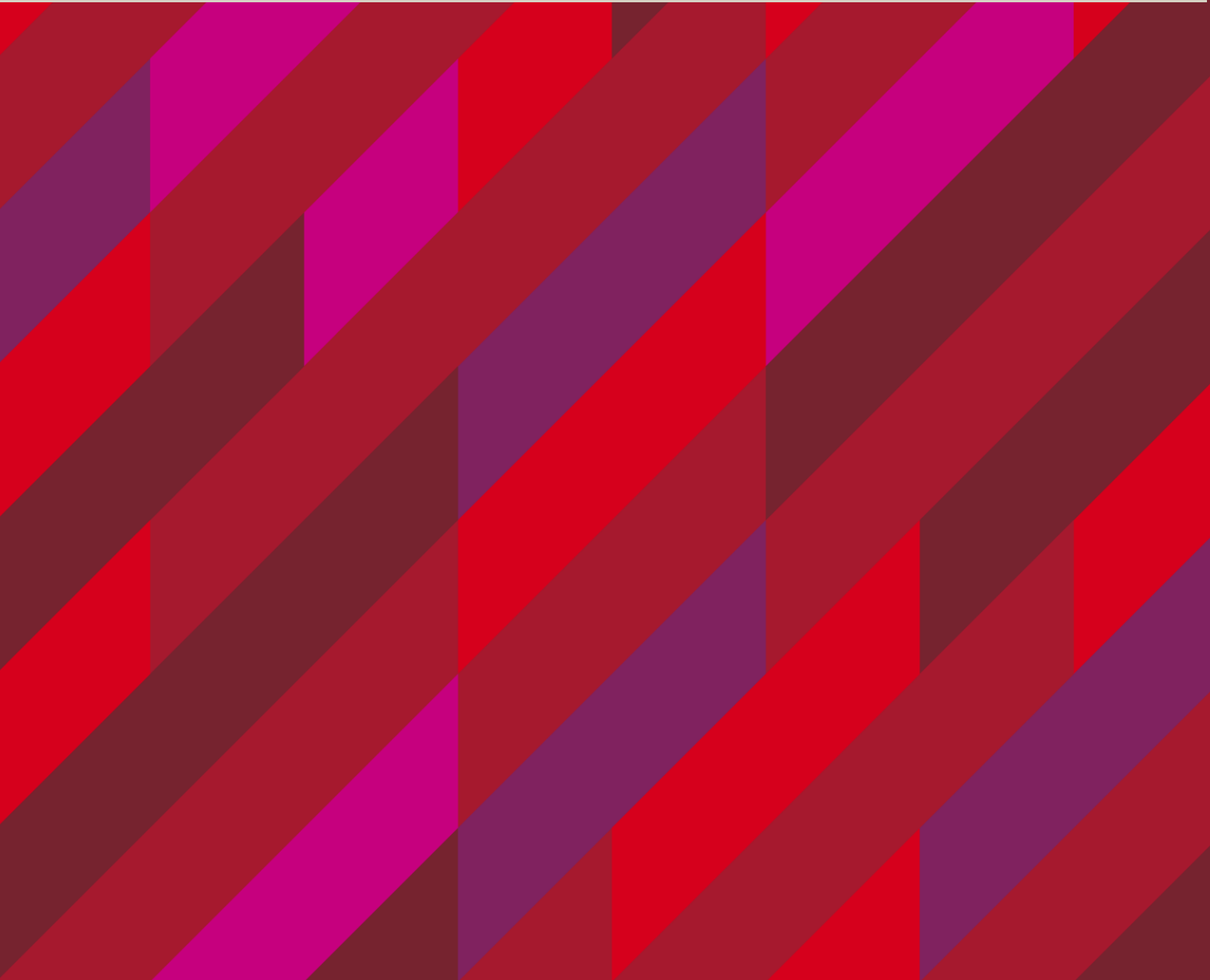


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COMPANION DOCUMENT

There is one important document you will need to refer to in addition to this Induction Manual. You will receive this document by e-mail with the Induction Manual and it is called:

1. Functional Anatomy for Physiotherapists – SDL Modules

Overview of the Doctor of Physiotherapy (DPT)

The vision for this degree was developed with extensive research of industry trends, educational trends both domestically and internationally, workforce projections and consultations with key stakeholders. As a result, the program that has eventuated will deliver opportunities for students to learn skills necessary to launch a successful and broad career across the spectrum of physiotherapy and its applications. The inclusion of education in business, management and leadership skills will assist graduates begin to understand the economic and financial considerations in physiotherapy practice. These skills are important in managing a private practice, leading a public hospital department, building a business case for new equipment or overseeing a research grant. Our goal is for our graduates to be working as leaders in healthcare as they progress through their careers.

GRADUATE CAPABILITIES AND PROGRAM LEARNING OUTCOMES

The graduate capabilities and program learning outcomes have been developed in consultation with industry bodies, Macquarie University education experts and are in alignment with the Macquarie University Academic and Learning and Teaching Plans.

Graduate Capabilities



Scientist & Scholar		Clinical Practitioner		Engaged Global Citizen		Professional	
Applied medical scientist	Scholar and research informed practitioner	Effective personal and digital communicator	Person-centred and safe clinician	Socially and culturally versatile practitioner	Public health and systems aware practitioner	Team worker	Ethical and reflective practitioner
Graduates will be scientists and scholars with advanced knowledge and skills to deliver science– and evidence – based physiotherapy practice		Graduates will be effective communicators and highly skilled, competent physiotherapists delivering person-centred healthcare		Graduates will be socially and culturally responsive practitioners with awareness of local and global public health issues, and who are able to operate effectively in a range of health systems		Graduates will be ethical and reflective physiotherapy practitioners able to lead and work collaboratively within teams	

Program Learning Outcomes

Macquarie University's DPT has 3 program learning outcomes for each of the four previously stipulated DPT graduate capabilities.

1. Scientist & Scholar: Graduates will be scientists and scholars with advanced knowledge and skills to deliver science– and evidence – based physiotherapy practice

- 1.1. Graduates will demonstrate critical and integrative thinking in the application of medical and health sciences in the practice of contemporary person-centred physiotherapy.
- 1.2. Graduates will demonstrate the ability to scholarly integrate best available research evidence with the individual's preferences and clinical expertise to provide person-centred healthcare.
- 1.3. Graduates will demonstrate problem solving skills and creativity through the ability to produce new knowledge or apply existing knowledge in innovative ways to enhance health and wellbeing.

2. Clinical Practitioner: Graduates will be effective communicators and highly skilled, competent physiotherapists delivering person-centred healthcare.

- 2.1 Graduates will demonstrate their knowledge and skills in reflective practice through the compilation of an ePortfolio outlining their progress and reflection during the attainment of all the competencies outlined in Physiotherapy Practice Thresholds in Australia and Aotearoa New Zealand (2015)
- 2.2 Graduates will demonstrate the application of their critical, analytical and integrative thinking skills in clinical practice such that their level of performance exceeds the expectation of entry-level physiotherapists.
- 2.3 Graduates will be future focused, demonstrating critical thinking and analytical skills to promote health and wellbeing and innovative ways to deliver healthcare.

3. Engaged Global Citizen: Graduates will be socially and culturally responsive practitioners with awareness of local and global public health issues, and who are able to operate effectively in a range of health systems.

- 3.1 Graduates will demonstrate awareness of determinants of health of diverse populations, including Aboriginal and Torres Strait Islander people and other disadvantaged populations, and provide socially and culturally responsive healthcare.
- 3.2 Graduates will demonstrate knowledge of contemporary local and global public health issues and apply strategies to both prevent and remediate health issues and inequities at an individual and community level including those to support self-management and behaviour change.
- 3.3 Graduates will demonstrate an understanding of, and work effectively within, health systems and be able to identify and recommend strategies for improvement where appropriate.

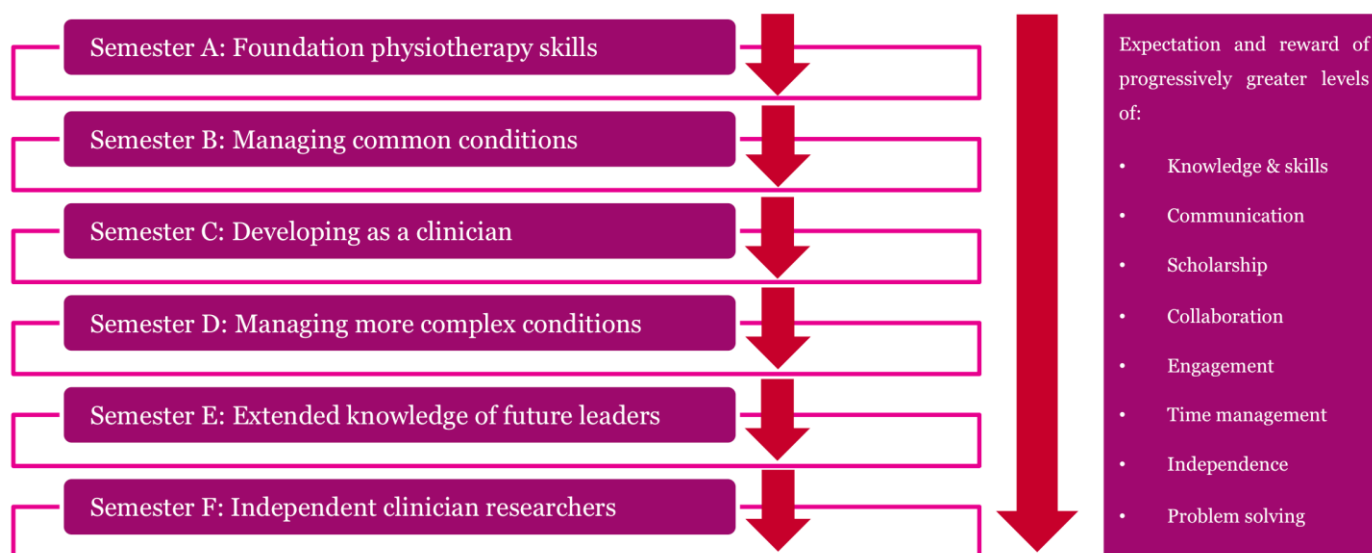
4. Professional: Graduates will be ethical and reflective physiotherapy practitioners able to lead and work collaboratively within teams.

- 4.1 Graduates will demonstrate an understanding of governance and management of health professionals, healthcare, and be able to both lead and work within teams effectively.
- 4.2 Graduates will demonstrate an ability to apply their knowledge and skills as ethically responsible and reflective physiotherapists committed to lifelong learning to advance their practice.
- 4.3 Graduates will demonstrate business, leadership and advocacy skills to improve the health and wellbeing of individuals and communities.

Program Structure

Doctor of Physiotherapy

PROGRAM STRUCTURE



Semester A: Foundation physiotherapy skills

At the completion of this semester students will understand person-centred healthcare and be able to identify and manage impairments, activity limitations and participation restrictions that are non-specific to a region of the body or disease/diagnosis.

Semester B: Managing common conditions

At the completion of this semester students will be able to demonstrate the knowledge and skills to assess and provide evidence based management for patients with common relatively simple musculoskeletal, neurological and cardiorespiratory conditions.

Semester C: Developing as a clinician

At the completion of this semester students will have demonstrated ability to assess and manage patients with a range of common relatively simple conditions that present to physiotherapists in acute care, rehabilitation and primary care settings.

Semester D: Managing more complex conditions

At the completion of this semester students will demonstrate the advanced knowledge and skills required to manage more complex conditions and a wider spectrum of patients including children, older people, athletes, workers and those with chronic disease or chronic pain and long-term disabling conditions.

Semester E: Extended knowledge of future leaders

At the end of this semester students will demonstrate extended knowledge in business management, leadership and new areas of practice, beyond that expected of a graduating physiotherapist, preparing them to be leaders in their profession. They will also demonstrate an ability to design a research project relevant to physiotherapy.

Semester F: Becoming an independent clinician and researcher

At the end of this semester students will have demonstrated the ability to complete a research project relevant to physiotherapists and to manage more complex conditions and at a higher level than would be expected of a graduating physiotherapist.

KEY CONTACTS IN THE DISCIPLINE OF PHYSIOTHERAPY



Professor Catherine Dean

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COURSE STRUCTURE AND OUTLINE

The DPT is offered on a full-time basis (2 semesters per year) over three years, requiring a total of 6 semesters of study in alignment with the MQU timetable. Each unit is awarded 4 credit points with the final research unit being awarded 8 (see table on p9 for details).

The program includes theoretical and clinical blocks as well as units which will have clinical experiences integrated with theoretical learning. Appendix B includes the Clinical and Academic pattern for the DPT for 2019.

CLINICAL EXPERIENCES

DPT students will commence clinical experiences in the FIRST year of the program in Week 5. This clinical placement is called the Health and Wellbeing Collaboration (HAWC) and on this placement, you will spend time with volunteers in the community who have a health condition, as well as attend a variety of healthcare and community settings. In order to undertake any clinical experience, you must have the following:

- A current Criminal Records Check
- A current NSW Working With Children Check
- An up to date vaccination status.

The criminal record and NSW working with children checks can take up to 6 weeks to come through, so you should **obtain them prior to commencing DPT**. You should also **start the immunisation process** as this can take up to six months. Details of what you need to start to organise are listed below and detailed in Appendix C.

Clinical block placements commence in the third semester (Session 2, 2020) when students will attend three 5-week blocks where you are expected to attend on a full-time basis 5 days a week. Students will attend two final 5-week block placements in the final semester (Session 1, 2022). **Please note that clinical placements may occur outside semester time and students are advised to check the clinical calendar prior to booking holidays.**

















PREPARATION FOR CLINICAL PLACEMENTS


In order to undertake clinical placements, all students are required to comply with NSW Ministry of Health Policy directives regarding criminal records checks and vaccinations prior to and during attendance at clinical placements. At time of commencement in the DPT you must show that you have **started the process** of applying for checks/clearances and getting vaccinations and these must be completed within the first 12 months of the program. **It is strongly recommended that you start to act on these requirements immediately.**


Prompt completion of your checks and vaccinations will ensure that you will be able to attend clinical placements without any difficulty. We will discuss these requirements further during the first week of classes however you will need to *show proof* that you have reached at least temporary compliance status by the compliance session **on 8 August 2019 (week 2)**. Any compliance questions please e-mail FMHS.compliance@mq.edu.au. Students who think they may have difficulty with meeting these requirements are advised to have a confidential discussion with the Physiotherapy Clinical Education Manager, Vidya Lawton.


There are detailed instructions, including information for your GP about what vaccinations you need to complete, in Appendix C in the document called *"Compliance Requirements for Attending Clinical Placements in MQ Physiotherapy"*.


Macquarie University Doctor of Physiotherapy Program


		Year 1	Year 2	Year 3	Year 4
Session 1			Year 1.2	Year 2.2	Year 3.2
			SEMESTER B	SEMESTER D	SEMESTER F
			MEDI8102 Evidence-based Healthcare  	PHTY8204 Health and Wellbeing across Lifespan A 	PHTY8304 Advanced Clinical Physiotherapy Elective Placement 
			PHTY8105 Physiotherapy Practice A	PHTY8205 Physiotherapy in Workplace & Recreation 	PHTY8305 Advanced Clinical Physiotherapy Selective Placement 
			PHTY8106 Physiotherapy Practice B	PHTY8206 Health and Wellbeing across Lifespan B 	PHTY8306 Research Project and Seminar 
Session 2		Year 1.1	Year 2.1	Year 3.1	
		SEMESTER A	SEMESTER C	SEMESTER E	
		PHTY800 Foundation Sciences for PT A	PHTY8200 Clinical PT Placement I 	PHTY8307 Leadership, Advocacy & Business Management for Health Professions	
		PHTY801 Foundation Sciences for PT B	PHTY8201 Clinical PT Placement II 	PHTY8301 Advanced Physiotherapy Practice A 	
		PHTY802 Foundations of PT Practice	PHTY8202 Clinical PT Placement III 	PHTY8308 Advanced Physiotherapy Practice B 	
	PHTY803 Interprofessional Healthcare 	PHTY8203 Reflective Practice and Professional Development 	PHTY8303 Advanced Research Training 		


 HAWC Integrated clinical & academic unit


 Integrated academic & clinical placement unit

 Integrated Master Classes

 5 week clinical placement

 External unit

 Research unit

 Integrated research unit

UNIFORMS

Uniforms must be worn when attending any clinical placements as a requirement of both the NSW Ministry of Health and Macquarie University. Your uniform is to be purchased by you, at your own cost, prior to commencing participation in clinical experiences in Week 5 of the course. There are two styles of shirt available and you will exercise your judgement as to the appropriate style for each clinic – for your first clinical placements you can wear either shirt. Uniform fittings for Physiotherapy business shirts and polo shirts will be conducted during Week 1 and you will purchase them online at this time. The uniform consists of:

- Macquarie University Physiotherapy business shirt (womens with a ¾ sleeve and mens with a long sleeve rolled up) – this is more appropriate for more formal situations and business settings.
- Macquarie University Physiotherapy polo shirt – this is more appropriate for less formal settings including sports coverage.
- Black trousers: common sense principles apply - no revealing cuts, no tights, trousers should not be too tight. You must dress ready to move through the full range of movement, from crouching on the floor to stretching up high.
- Closed toe black shoes: non-slip, non-cloth nor absorbent (in case of spills); shoes must be comfortable and safe to walk on hard floors all day, no high heels.
- Name tag: Your name tag will be supplied by the Discipline of Physiotherapy.

The cost is approximately:

- Women business shirt: \$75
- Women polo: \$38
- Men business shirt: \$73
- Men polo: \$38

INHERENT REQUIREMENTS

Macquarie University Discipline of Physiotherapy has specific admission, program and inherent requirements. Details are available at the below link:

https://www.mq.edu.au/about/about-the-university/faculties-and-departments/faculty-of-medicine-and-health-sciences/departments-and-centres/department-of-health-professions/documents/forms/DPT_admission_program-and-inherent-requirements_approved.pdf

Students who feel there may be any reasons (including socio-cultural, faith, health or disability related matters) which may preclude them from meeting these course requirements are strongly encouraged to make an appointment with Faculty Lead, Student Professionalism Angela Stark to discuss their circumstances confidentially and without prejudice, prior to enrolment.

ASSUMED KNOWLEDGE

As you have successfully completed units of anatomy, physiology, psychology and research methods, it will be assumed your knowledge is current and comprehensive. This program will progress very quickly and there will not be time for review of these areas in class. It is strongly recommended you review foundation knowledge prior to attending classes.

To assist you with your review of essential assumed knowledge areas, we have compiled a list of broad topics you should be familiar with before starting the course - details are in Appendix A. To further assist your revision of anatomy, we have also given you access to resources that have been developed by the Canberra University School of Physiotherapy (you have been e-mailed this document at the same time as this Induction Manual). This resource is a comprehensive checklist of anatomy knowledge that we will be assuming you hold when you come to class. Consider using these guides to assess your level of knowledge prior to attending class. Additional anatomy resources can also be found in the MQ Library. <http://libguides.mq.edu.au/content.php?pid=681925&sid=5655961>

PHYSIOTHERAPY BOARD OF AUSTRALIA - STUDENT REGISTRATION

From 2011 all students enrolled in an approved physiotherapy program must be registered with the Physiotherapy Board of Australia. Fees are not required for student registration. The University will provide information to the Physiotherapy Board of Australia enabling registration of students. You do not need to register yourself.

The Physiotherapy Board of Australia is established under the Health Practitioner Regulation National Law Act 2009 and as such is governed by this law. Guidelines have been developed to provide direction for registered physiotherapists and physiotherapy students including:

- Code of conduct for the physiotherapy profession
- Guidelines on advertising
- Guidelines on mandatory reporting
- Guidelines on continuing professional development
- Guidelines for physiotherapists regarding medicines
- Guidelines on recency of practice
- Guidelines on limited registration
- Guidelines on substantially equivalent qualifications
- Guidelines on supervision

These guidelines are in place to protect the public and the University is required by law to report any student who has an impairment that, in the course of their undertaking clinical training, may place the public at substantial risk of harm. Therefore, all students are encouraged to familiarise themselves with the codes, guidelines and registration standards, published on the website, and report to the University any information which may be required by the Physiotherapy Board of Australia.

Any information that is disclosed to the University is confidential and will not be used in any way to prejudice students. The Physiotherapy Board of Australia also has the power to check the criminal history of registered students.

GRADUATES

As the MQU Doctor of Physiotherapy is an accredited program by the Australian Physiotherapy Council (APC) graduates will be eligible to apply for registration to practise as a physiotherapist in Australia. Applicants must also be aware that the Physiotherapy Board of Australia (Australian Health Practitioner Regulation Agency, AHPRA) has additional requirements in order to qualify for registration and practise. These include an English language skill standard and a criminal history standard. International students are advised to understand the additional requirements to practise in Australia. Further, the ability to practise as a physiotherapist in a country other than Australia is subject to the requirements of the professional authorities in that country and students are advised to contact the professional authorities in this country prior to enrolling in this degree. For more information, visit AHPRA: <http://www.ahpra.gov.au/Registration/Registration-Process.aspx>

CONFERENCE WEEK (WEEK 1)

The first week of the course is run as a “conference” where you will sit together as a group to attend lectures and breakout into smaller groups for discussion and workshops. It is designed to allow us all to spend time together as a group, so staff and students can get to know each other, allow for students to become orientated to the physiotherapy teaching rooms, and so that content relevant for all units can be covered. The information delivered within this first conference week is very important, and attendance at all activities in this first week is expected. Conference week will be held from **Tuesday 30th July to Friday 2nd August 2019**. Full day attendance will be required for each of these days. Further information about Conference Week 2019 will be delivered closer to this time.

Macquarie University Information

The majority of the information related to the university in general can be found on the Macquarie University website. Here are a few links you will find useful:

STUDENTS AT MQ

<http://students.mq.edu.au/home/> - this is the One-Stop-Shop for all Macquarie Students, through here you can access your student e-mail, student portal, eStudent and more

Some useful links on this site include:

- PG Coursework Studies Section <http://www.postgrad.mq.edu.au/> Postgraduate administration including degree rules, forms and FAQs.
- MQ orientation: Orientation to MQU campus takes place in the first week of classes and is the best way to find out what university life has to offer. During this week you will be able to sign up for groups and societies and check out all the services the university has on offer.
- Campus Wellbeing: <https://students.mq.edu.au/support/wellbeing> - this service is committed to providing a range of high level support and assistance for both Students and Staff at Macquarie, through the delivery of services in Counselling, Medical, Disability, Welfare. Other Services include Women's Room and Queer Space.
- Student Services on campus: <https://www.mq.edu.au/about/campus-services-and-facilities>
- Help with IT - OneHelp will assist with anything tech-related including your "OneID".
http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/

ENROLMENT IN UNITS

Once you have accepted your placement and been admitted by the university, you can then enrol in units for your first semester of study with us. All postgraduate enrolments are processed online via eStudent on the Enrolment homepage <http://www.postgrad.mq.edu.au/enrol.html> <https://www.mq.edu.au/study/admissions/accept-and-enrol> and <http://www.mq.edu.au/study/admissions/accept-and-enrol/accept-your-postgraduate-offer>

You can enrol in the Doctor of Physiotherapy as soon as you accept your offer. However, there is a "blackout period" until December 14th 2018 and again in mid-July 2019 where our online enrolment system will be closed to allow uploading of results to run smoothly.

Enrolment is your responsibility so follow carefully the general steps to enrolment and the **specific instructions (#) about enrolment in the Doctor of Physiotherapy.**

Specific instructions for enrolment in Doctor of Physiotherapy:

The Doctor of Physiotherapy is only offered fulltime and the study plan for your first session (MQ Session 2 2019) is as follows:

- PHTY800 Foundation Sciences for Physiotherapy A
- PHTY801 Foundation Sciences for Physiotherapy B
- PHTY802 Foundations of Physiotherapy Practice
- PHTY803 Interprofessional Healthcare

You must enrol before you can be registered in lectures and tute groups.

You will automatically be registered in the lectures after you have enrolled. **Faculty administrative staff will allocate you to tutorial groups and register you in classes. You will be unable to register yourself for any classes on eStudent.**

STUDENT CAMPUS CARD

A couple of days after you have enrolled, you will be able to obtain your student campus card. You must attend campus to do this as photo identification is taken. Cards will be issued from 18 Wally's Walk – MUSE (check it out at <https://staff.mq.edu.au/support/office-and-property-services/property-services/property-projects/the-muse-experiment>).

To receive your card, you must have completed your enrolment (see above) and you will need to show photo ID e.g. an Australian Driver's License or your passport. It would be much appreciated if you could obtain your student campus card by Wednesday lunchtime of Week 1 (31st July 2019). The staff at MUSE are available for assistance with issuing student campus cards. Please click here <https://students.mq.edu.au/study/getting-started/student-essentials/campus-card> for more information about your Campus Card.

iLEARN

All unit information, announcements and communication about the program will be posted on the University Learning Management System (LMS) called iLearn. You can go to this website for some information about using iLearn and you will receive more information and training about specific PHTY websites in your first week of classes. https://www.mq.edu.au/iLearn/student_info/index.htm

MQ LIBRARY

We strongly recommend you do a Library Tour in either O Week or the first week of the semester. For more information about the library services please go to http://www.mq.edu.au/on_campus/library/

For assistance with searching, information sources and research needs, we have a Discipline of Physiotherapy Liaison Librarian, Jeremy Cullis, who can be contacted on (02) 9850 7399 or jeremy.cullis@mq.edu.au

Outline of broad subject areas for assumed knowledge for the Doctor of Physiotherapy

Essential assumed knowledge for the Doctor of Physiotherapy includes the subject areas of human anatomy (system and musculoskeletal), human physiology (cell and systems), psychology and research methods. To help you perform well in this course you should now start revising these subject areas using your notes from previous studies and the information below. Below you will also find lists of recommended resources including textbooks – it is not essential for you to purchase these textbooks. There will be copies of all recommended texts in physiotherapy or in the library or they are available online.

MUSCULOSKELETAL ANATOMY

- Study of human musculoskeletal anatomy including 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 heart and lungs, brain and spinal cord and the somatosensory nervous system.
- Histological features of tissues of the musculoskeletal system.

Recommended Text

Oatis, CA (2009). *Kinesiology – The Mechanics and Pathomechanics of Human Movement* (Second edition). Baltimore: Lippincott, Williams and Wilkins.

See Companion Document called *Functional Anatomy for Physiotherapists - SDL Modules* from the University of Canberra School of Physiotherapy (these have been emailed to you as pdf documents) for more specific details.

- Part I The Lower Limbs
- Part II The Upper Limbs
- Part III The Anatomy of the Head Neck and Trunk

CELL AND SYSTEM ANATOMY AND PHYSIOLOGY

- Gross anatomy, functional histology and functioning of the main systems of the human body i.e. cardiovascular, respiratory, nervous, renal, digestive, reproductive and endocrine. See below for more detailed information about cardiorespiratory physiology assumed knowledge.
- Adaptations to the systems of the body during exercise and impact of exercise on system function.

Recommended Text

Stanfield, Cindy L. (2011) *Principles of Human Physiology*. 4th Ed. San Francisco, CA : Benjamin Cummings.

Cardiac Anatomy & Physiology

Cardiac Anatomy

- chambers, valves, major vessels
- coronary arteries

Cardiovascular Physiology

- The cardiac cycle (circulation of blood through the heart) including systole & diastole (<http://www.cvphysiology.com/Heart%20Disease/HD002.htm>)
- Cardiac output
- Blood pressure
- The normal ECG

Suggested Texts & Online References

- Julian D, Cowan J & McLenachan J (2005) Cardiology (8th Ed). New York: Saunders.
- Cardiovascular physiology: <http://www.cvphysiology.com/>
- Cardiovascular physiology:
<http://www.frca.co.uk/Documents/125%20Introduction%20to%20cardiovascular%20physiology.pdf>
- Cardiac Anatomy: <http://www.vhlab.umn.edu/atlas/index.shtml>

Respiratory Anatomy & Physiology

Respiratory Anatomy

- Pleural cavity/thoracic cage
- Respiratory muscles (e.g. diaphragm, intercostals & accessory muscles)
- The respiratory tract (from the upper airway through to the alveoli)
- Lobes, segments & fissures of the lungs

Respiratory Physiology

- Static lung volumes e.g. total lung capacity, functional residual capacity etc
- Mechanics of breathing
- Control of respiration
- Oxygen haemoglobin dissociation curve

Suggested Texts & Online References

- Beachey W (2012) Respiratory Care Anatomy and Physiology (3rd Ed). Mosby
- Des Jardins, T (2002) Cardiopulmonary Anatomy & Physiology: Essentials for Respiratory Care (4th ed). Albany: Demar Thompson Learning
- http://oac.med.jhmi.edu/res_phys/index.HTML
- <http://www.mhhe.com/biosci/ap/foxhumphys/student/olc/chapterindex16.htm>

Nervous System Anatomy and Physiology

- Anatomy and physiology of neural structures as well as fundamental concepts of nervous system functioning including anatomy of the brain and spinal cord, the structure of the nervous system and neurones, basic electrical concepts underlying neural signals including signal transmission and communication.
- Main neurological systems/pathways – spinal reflexes, somatosensory system, autonomic nervous system and the descending motor pathways.

Recommended Text

Kandel ER, Schwartz JH and Jessell, TM (2000). Principles of Neural Science. McGraw-Hill.
Structure and function of neurons

Nerve cell structure and function.

- The structure of nerve cells
- The mechanism of the action potential in neurons and axons
- The main features of synaptic transmission between nerve cells – the basis of excitation and inhibition

The organization of the nervous system

- The main divisions of the nervous system
- The main cell types of each division of the nervous system
- The organization of the central nervous system

- The cerebrum
- The cerebellum
- The brain stem
- The spinal cord
- The organization of the peripheral nervous system
 - The somatic PNS
 - The visceral PNS
 - Afferent and efferent axons
- The function of the main regions of the brain and spinal cord
- The function of the principle components of the peripheral nervous system

The structure and function of the somatic sensory system

The following elements of the sensation of touch:

- Mechanoreceptors of the skin
- Primary afferent axons
- The dorsal column-medial lemniscal pathway
- The somatosensory cortex

The following elements of the sensation of pain:

- Understand and describe nociceptors and the adequate stimuli to activate nociceptors in different tissue types (i.e. skin, muscle, joint, viscera).
- Explain the afferent innervations of the spinal cord from different tissue types, and how pain from different tissues is processed centrally.
- Describe the ascending pain pathways involved in the sensory discriminative and motivational affective component of pain.
- Understand the changes and role of ion channels, neurotransmitters (inhibitory and excitatory) in the peripheral nervous system and explain how these changes are important in the processing of nociceptive transmission.

The following elements of the sensation of temperature:

- Thermoreceptors
- The temperature pathway

Suggested Texts & Online References

- Neuroscience: exploring the brain / Mark F. Bear, Barry W. Connors, Michael A. Paradiso.
 - 3rd ed., Philadelphia: Lippincott Williams & Wilkins, 2007
 - Chapters 2-7 (for background neuroanatomy and physiology)
 - Chapter 12: The Somatic Sensory System
 - Available at Macquarie University Library Level 1 / Level 2 (QP355.2.B42 2007)
- The Human Body: An Introduction for the Biomedical and Health Sciences. Gillian Pocock and Christopher D Richards. OUP 2009 (on e-Reserve at MQ Library)
 - Pages 102-117 "Nerve cells and their connections"
 - Pages: 226-237 "Sensory systems: The Somatosensory System"
- What is Pain? Michael Cousins: (available on iLearn).
- Pain: why and how does it hurt? G. L. Moseley. Chapter 6 In: Brukner and Kahn: Clinical Sports Medicine.4th edition. (Available on e-Reserve at MQ Library)

PSYCHOLOGY

- Basic understanding of the major paradigms and methodological approaches of contemporary psychology as well as the origins and nature of modern societies (i.e. sociology) especially in relation to health and wellbeing.

RESEARCH METHODS

- Study of research design and methods of data analysis and interpretation including both qualitative and quantitative methods of data analysis and common data analysis tools.

<h2>COMPUTER SKILLS</h2>

In addition to your background knowledge we also assume you have good computer skills. This includes being able to use Microsoft Word, Excel and PowerPoint at least at an introductory level for word processing. Please source relevant workshops for this if you think it is required. Macquarie University does not currently provide this type of training.

APPENDIX B

DPT Clinical and Academic Pattern for 2019

Doctor of Physiotherapy

2019 CLINICAL & ACADEMIC CALENDAR

Wk	Dates	MQ Wk	Year 1 Sem A	Year 1 Sem B & Year 2 Sem C	Year 2 Sem D & Year 3 Sem E	Year 3 Sem F	NSW Clinical Blocks	Public Holidays	SH	
1		ISB						New Year's Day: Tue 1 Jan	SH	
2	7 Jan	ISB							SH	
3	14 Jan	ISB							SH	
4	21 Jan	ISB							SH	
5	28 Jan	ISB						Australia Day: Mon 28 Jan		
6	4 Feb	ISB					Block 1 28 Jan - 1 Mar	Chinese New Year: Tue 5 Feb		
7	11 Feb	ISB								
8	18 Feb	ISB								
9	25 Feb	1				Semester F PHTY902 PHTY903 PHTY904				
10	4 Mar	2		Semester B PHTY 804 PHTY 805 PHTY 806 PHTY 807	Semester D PHTY 812 PHTY 813 PHTY 814 PHTY 815			Block 2 4 Mar - 5 Apr		
11	11 Mar	3								
12	18 Mar	4								
13	25 Mar	5								
14	1 Apr	6								
15	8 Apr	7								
16	15 Apr	Recess					Block 3 8 Apr - 10 May	Good Friday: Fri 19 Apr	SH	
17	22 Apr	Recess							Easter Monday: Mon 22 Apr ANZAC Day: Thu 25 Apr	SH
18	29 Apr	8								
19	6 May	9								
20	13 May	10					Block 4 13 May - 14 Jun			
21	20 May	11								
22	27 May	12								
23	3 Jun	13								
24	10 Jun	14						Queen's Birthday: Mon 10 Jun		
25	17 Jun	15		Exams 10 Jun - 28 Jun	Exams 10 Jun - 28 Jun	Exams 10 Jun - 28 Jun				
26	24 Jun	16					Block 5 17 Jun - 19 Jul			
27	1 Jul	ISB								
28	8 Jul	ISB							SH	
29	15 Jul	ISB							SH	
30	22 Jul	ISB		Semester C PHTY 811			Block 6 22 Jul - 23 Aug			
31	29 Jul	1	Semester A PHTY 800 PHTY 801 PHTY 802 PHTY 803		PHTY 808	Semester E PHTY 816 PHTY 817 PHTY 818 PHTY 819				
32	5 Aug	2								
33	12 Aug	3								
34	19 Aug	4					Block 7 26 Aug - 27 Sep			
35	26 Aug	5								
36	2 Sep	6								
37	9 Sep	7								
38	16 Sep	Recess								
39	23 Sep	Recess								
40	30 Sep	8					Block 8 30 Sep - 1 Nov		SH	
41	7 Oct	9							Labour Day: Mon 7 Oct	SH
42	14 Oct	10								
43	21 Oct	11								
44	28 Oct	12								
45	4 Nov	13					Block 9 4 Nov - 6 Dec			
46	11 Nov	14								
47	18 Nov	15	Exams 11 Nov - 29 Nov	PHTY 810	Exams 11 Nov - 29 Nov					
48	25 Nov	16								
49	2 Dec	ISB								
50	9 Dec	ISB								
51	16 Dec	ISB								
52	23 Dec	ISB						Christmas: Wed 25 Dec Boxing Day: Thu 26 Dec	SH	
53	30 Dec	ISB							SH	

Compliance Requirements for Attending Clinical Placements in MQ Physiotherapy

Document Checklist

Here's a list of the things you need to do

	Checklist	Pages
<input type="checkbox"/>	Sign the NSW Health Code of Conduct	21
<input type="checkbox"/>	Apply for National Criminal Record Check	20
<input type="checkbox"/>	Get your vaccinations	21-25
<input type="checkbox"/>	Get your Cardio Pulmonary Resuscitation (CPR) and First Aid Certificate	26
<input type="checkbox"/>	Get your Working with Children Check	26

Contents	page
National Criminal Record Check	20
NSW Code of Conduct	21
Immunisation	21 - 25
Adult formulation diphtheria, tetanus, acellular pertussis (whooping cough) vaccine (dTpa)	22
Hepatitis B vaccine	23
Measles, Mumps and Rubella (MMR) vaccine	23
Varicella vaccine	23
TB Screening	23
Compliance Status	24
Cardio Pulmonary Resuscitation (CPR)/and First Aid Certificate	26
Working with Children Check	26
Vaccination Record Card	27

NSW Health Compliance Information

NSW Health requires that all Doctor of Physiotherapy students placed in any of its facilities are fully compliant with its requirements. This applies to students undertaking clinical placements or who require access in any capacity to its facilities which includes all the teaching hospitals used by Macquarie University DPT program.

The Faculty of Medicine and Health Sciences is required to enter information about all DPT students into ClinConnect which is a NSW Health database for managing all clinical training placements in public hospitals in NSW. Information reported to ClinConnect includes student name, student number, gender and year of birth.

In your first session of your first year, you will need to attend a mandatory compliance session and provide certain documentation to be confirmed as fully compliant. This will be checked by staff from NSW Health on campus at the compliance session. If you are not fully compliant, you will be instructed in what you need to do before you can commence your clinical training / volunteer visits. Macquarie University cannot overrule the decision of the health staff and your clinical training / volunteer visits will be delayed until you have completed all requirements.

National Police Certificate

In addition to providing the necessary documentation relating to immunisations, NSW Health requires all DPT students to undergo a criminal record check and obtain a National Police Certificate (NPC) from any ACIC – CRIM TRAC accredited broker agency. Students only require a name and date of birth check for either unpaid work or volunteer position. If you decide to only pay for an electronic version then it will be your responsibility to ensure that you can provide this original document to NSW Health and as requested during your degree.

International students may apply for an NPC before arrival in Australia through the Australian Federal Police.

International students **only** are encouraged to apply to the Australian Federal Police (AFP) at:
<http://www.afp.gov.au/what-we-do/police-checks/national-police-checks>.

In addition to obtaining an NPC, international students are also required to obtain a Police Certificate (with English translation) from their home country and any country that they have resided in since the age of 16 years old.

Important note: Only original documents for NPC and overseas checks will be accepted

FREQUENTLY ASKED QUESTIONS (FAQs)

https://www.health.nsw.gov.au/careers/student_clearance/Pages/faq.aspx

If you are unable to obtain a National Criminal Records Check from every country where you have been a permanent resident, you will need to provide a NSW Health Statutory Declaration form (International Students only). Please email FMHS.compliance@mq.edu.au if you wish to request a Statutory Declaration.

You will need to get your statutory declaration signed by an Australian Justice of the Peace (JP). This is a free service but you may need to make an appointment. JP Services are also available within the Faculty of Medicine and Health Sciences if required please email: FMHS.Compliance@mq.edu.au or a list of Australian JPs in NSW may be found here: www.jp.nsw.gov.au

WHAT HAPPENS IF YOU HAVE A CRIMINAL RECORD?

If you have any convictions recorded on your National Criminal History Check you may still be able to undertake a clinical placement, depending on what the conviction was for. If you have any criminal convictions, you must obtain a Clinical Placement Card or a conditional letter from NSW Health. If you are unable to obtain either of these and you have criminal convictions recorded, then you will not be able to continue with the course.

You must retain the NPC for the duration of enrolment in the Physiotherapy program as you may be required to present it whenever attending a clinical placement in any NSW Health or Private Facility. Please note that at the

current time, this document is valid for three years from date of issue only and it is your responsibility to ensure that you always have a valid NPC.

Students must note that clinical placements are an essential element in the Doctor of Physiotherapy program. Students who fail to satisfy the requirements of NSW Health at any point during their enrolment in the DPT program may be excluded from undertaking a clinical placement. This will delay progress in the program and may ultimately lead to exclusion from the program.

Students are responsible to make every effort to obtain the required documents and vaccinations needed to meet compliance requirements and to attend compulsory Compliance days.

The mandatory requirements for NSW Health and Macquarie University are:

1. **Code of Conduct**
2. **National Criminal Record Check**
3. **Immunisation**
4. **Attachments 6 & 7**
5. **First Aid Certificate**
6. **CPR certificate**
7. **Working with Children Check**

1. CODE OF CONDUCT

The NSW Health Code of Conduct defines standards of ethical and professional conduct that are required of everyone working in NSW Health including students undertaking clinical placements. It describes the outcomes NSW Health are committed to, and the behaviours which are unacceptable and will not be tolerated. All employees, contractors, volunteers, students, researchers and persons undertaking or delivering training or education in NSW Health must abide by the Code of Conduct and the core values and principles that it promotes.

Students are required to sign to state that they have read and understood the below Code of Conduct and agree to comply with its provisions at all times while working in NSW Health. By signing this Code, students are acknowledging their commitment to achieving the best outcomes for patients and playing their part in ensuring that their working environment is safe and supportive. All students must present the signed Code of Conduct at their first Compliance Session.

The Code of Conduct and NSW Health Policy Directive may be found here:

https://www1.health.nsw.gov.au/pds/Pages/doc.aspx?dn=PD2018_009

2. IMMUNISATION

NSW Health is committed to a safe and healthy work environment. All staff and students working in public hospitals are required to get a series of vaccinations.

VACCINATIONS REQUIRED

1. Adult formulation diphtheria, tetanus, acellular pertussis (whooping cough) vaccine (dTpa)
2. Hepatitis B vaccine
3. Measles, Mumps and Rubella (MMR) vaccine
4. Varicella vaccine
5. TB Screening (if required)

The required vaccination checklist (Attachment 4) is available by clicking on The Policy Directive link which is on page 3 of this document then scroll to page 38 of policy.

DOCUMENTS ACCEPTED AS PROOF OF IMMUNISATION

- Australian Immunisation Register (AIR) a system that records the information about vaccinations given to persons of all ages (free call 1800 653 809) or click on below link:
<https://www.humanservices.gov.au/individuals/services/medicare/australian-immunisation-register>
- Original school or work immunisation program certificates
- Child immunisation book or record
- Original immunisation documents stamped, signed and dated with batch numbers by the doctor or registered vaccine provider.
- Original records of serology tests.

Documents must be in English.

Photocopies will not be accepted.

WHERE CAN I GET MY VACCINATIONS DONE?

You can get your vaccinations at any GP practice.

Some General Practitioners (GPs) are sometimes confused about the immunisation requirements for undertaking clinical placements. As a result, students may receive incorrect vaccinations. This can mean that students' clinical placements are delayed, and students need to spend more money and time to get the correct injections.

GP Clinic staff at Macquarie University Hospital are aware of the vaccinations required for clinical placements. They will also keep a record of all your vaccinations that students can access when required. **It is strongly recommended that students save time by seeing the GP at Macquarie University Hospital.**

Macquarie University medical service provides a full bulk-billing GP service that is available to Macquarie University students with a Student Concession Opal Card or an Overseas Student Health Cover (OSHC) card. They are open Monday - Friday, 8:00am - 6:00pm but closed on public holidays. To make an appointment call (02) 9812 3944.

The GP Clinic is located at the Clinic Building, 2 Technology Place, next to Macquarie University Hospital. If you wish for your own GP or registered vaccine provider to perform the vaccinations and complete your vaccination card, then the following information may assist you and your doctor in ensuring that you have received the correct vaccinations. Please ensure that these directions are followed to avoid the delay to your immunisation status.

Adult Diphtheria, Tetanus and Pertussis (Whooping Cough) dTpa

Student Instructions: You must provide evidence of one injection of Adult Diphtheria, Tetanus, and Pertussis (Whooping Cough) in the last 10 years. If over 10 years, you will require a booster.

GP Instructions: Do not give ADT; give Boostrix, Boostrix IPV, Adacel or Adacel Polio. You must also include the 'batch number', 'date of injection', 'providers name', 'signature' and 'practice stamp' in the column marked for this purpose.
Serology results for this immunisation are NOT ACCEPTED.



Hepatitis B

Student instructions: When immunisation documentation is presented for review, you must have commenced the process of obtaining a course of three vaccinations (if you have already completed a course of Hep B vaccinations then you must present evidence of this). Following the Hepatitis B course you will be required to provide serology to show the level of immunity which you have obtained. You can obtain serology one month following the final dose of the Hepatitis B vaccine. If your result indicates 'low immunity' you may be required to obtain a booster followed by further serology to establish your immunisation status. This will be discussed between you and the staff health nurse when your serology is reviewed.

GP Instructions: The following information must be recorded as evidence of a Hepatitis B course; 'batch number', 'date of injection', 'providers name', 'signature' and 'practice stamp' and following the completion of the course.

**Serology must be recorded as a numerical value & not 'positive' or 'negative'. Students can complete this vaccination program within 6 months.*

Refer to NSW Health Policy Directive 2018_009 from page 15 of 43 point 2.4 & 2.5. This provides advice on the time lines that this course can be administered.

http://www1.health.nsw.gov.au/pds/ActivePDSDocuments/PD2018_009.pdf

Measles, Mumps and Rubella (MMR)

Student Instructions: You must provide evidence of two doses of MMR or a positive serology result. If serology is negative you must have two vaccinations of MMR, at least one month apart and show evidence in the form of serology results. **You will be unable to commence a clinical placement until this has occurred.**

GP Instructions: Ensure that serology includes rubella titre in a 'numerical' value. Each vaccination must have the following information assigned; 'batch number', 'date of injection', 'providers name', 'signature' and 'practice stamp'.

Varicella (Chicken Pox)

Student Information: You must provide evidence of two vaccinations or evidence of positive Varicella serology.

You will be unable to commence a clinical placement until this has occurred.

GP instructions: If students have been injected with Zostavax they do not require the second dose of varicella as it is 40 times stronger than varicella. Each vaccination must have the following information assigned; 'batch number', 'date of injection', 'providers name', 'signature' and 'practice stamp' or provide evidence of the student having positive Varicella serology. **Note: history of chicken pox is no longer accepted.**

Tuberculosis Screening

Student Information: When attending a bulk compliance session, you must provide a completed 'Attachment 6' and 'Attachment 7'.

If you have been in a high-risk country associated with a high incidence of TB (as defined by NSW Health based on information provided by the World Health Organisation) please see information below:

<http://www.health.nsw.gov.au/Infectious/tuberculosis/Documents/countries-incidence.pdf>

You will then be required to have TB screening, this can now be done at your GP clinic by requesting an Interferon-Gamma Release Assay (IGRA). The IGRA is a blood test used to see whether a person has been exposed to the tuberculosis (TB) bacteria. After you have an IGRA test you will need to return to your doctor or chest clinic for the test result a few days later. Your nurse or doctor will explain the result and whether any more tests or treatment is required.

Another test for latent TB infection is the Tuberculin Skin Test (TST), also know as a Mantoux test. It involves a small injection just under the skin, usually on the forearm.

GP's: Live vaccines such as MMR and Varicella must be given one month prior or one month after TB screening as this could affect the screening result.

COMMON IMMUNISATION MISTAKES

- ADT given instead of dTpa. If MMR and Varicella are NOT given on the same day, then there must be a minimum of 28 days between the two vaccines.
- Blood tests must be either 'positive' or state the numerical value.
- Equivocal or borderline results are not acceptable.

Please refer to the NSW Health's Frequently Asked Questions for further information:

[HTTP://WWW.HEALTH.NSW.GOV.AU/IMMUNISATION/PAGES/OASV-FAQ.ASPX](http://www.health.nsw.gov.au/immunisation/pages/oasv-faq.aspx)

NSW MINISTRY OF HEALTH BULK COMPLIANCE DAY

Macquarie University will organise Bulk Compliance Days where NSW Ministry of Health can check your documents and give you a classification status. The first bulk compliance day for 2019 which all newly enrolled DPT students must attend is Thursday 8th August 2019.

Please ensure that you are available to attend this day!

When you attend a Bulk Compliance Day please ensure that you bring with you (original documents only):

- MQ Student Photo ID card
- All of your immunisation history/vaccination card
- Serology results
- Signed Code of Conduct
- A completed 'Attachment 6' Undertaking/Declaration Form
- A completed 'Attachment 7' Tuberculosis (TB) Assessment Tool
- Original immunisation documents stamped, signed and dated with batch numbers by the doctor or registered vaccine provider

If you are unable to provide evidence of previous Hep B vaccines and you have a Hepatitis B serology result greater >10, then your doctor can request a NSW Health Hepatitis B Statutory declaration form. This form must be signed by a vaccination provider only. To request this form please email to: fmhs.compliance@mq.edu.au

Following review by staff health representatives at a compliance session, you will be provided with a classification status in which will determine whether or not you can commence a clinical placement.

The three classifications are:

1. **Non-Compliant** - this means that you have not provided the information as outlined below and are ineligible to attend a clinical placement in any NSW Health public health facility until you have completed mandatory immunisation requirements to gain at least temporary status.
2. **Temporary Compliance - Hep B/TB Contraindication** - this means that you have not completed your Hepatitis B course of three injections and serology or TB screening if required. The staff health nurse reviewing your immunisation history will make a decision based on the information you provide. Do not forget to follow the instructions staff provide you in relation to follow up. When classified as 'Temporary Hep B/TB Contraindication' in your ClinConnect file, the database will automatically provide you with six months to complete the process of outstanding immunisations. If you do not complete the process within this time frame, the database will automatically convert your file to 'Non-Compliant' and your faculty will be unable to allocate you to a clinical placement until you provide outstanding documentation. If a student is aware that they are Hep B antigen or core positive, only disclose this information to the staff health nurse reviewing your immunisation status. This will remain a confidential discussion. At completion of your Hepatitis B course you will be required to produce serology results recorded in numerical format. **This classification applies to students in their first year of study only regardless of which year you will be attending clinical**

placement. This status will also not be extended unless the student has extenuating circumstances for not being able to complete the compliance process within this timeframe.

3. **Compliant** - this means that you have met all immunisation requirements. This status will remain current for the duration of your degree.

Macquarie DPT program additional compliance requirements:

The Macquarie University DPT program also has additional mandatory requirements that **MUST** be completed before you can undertake a HAWC volunteer visit or clinical placement.

1. CARDIO PULMONARY RESUSCITATION (CPR) / FIRST AID CERTIFICATE (FA)

Students must provide to the Faculty a current First Aid and CPR certificate, these can be obtained at any accredited provider where you will obtain certificates in HLTAID003 (FA) and HLTAID001 (CPR).

Please note: CPR certificates are only valid for 12 months from date of issue, whereas First Aid Certificates are valid for three years from date of issue.

Students must ensure that these certificates are always current and need to be emailed to:
fmhs.compliance@mq.edu.au

2) WORKING WITH CHILDREN CHECK (WWCC)

A Working with Children Check is a prerequisite for anyone in child-related work. It involves a national criminal history check and review of findings of workplace misconduct.

The result of a WWC Check is either a clearance to work with children for five years, or a bar against working with children. Cleared applicants are subject to ongoing monitoring, and relevant new records may lead to the clearance being revoked.

WWCC checks are free for students (volunteer only)

The volunteer WWC Check may only be used for unpaid child-related work in NSW for as long as the worker remains cleared. If a student needs a paid WWCC for work reason's then they will need to apply and pay for a WWCC.

The University will accept either a volunteer or working check. If your circumstances change and you have applied for a different Working with Children Check i.e. Paid/Volunteer then please ensure that you send your new WWCC number to fmhs.compliance@mq.edu.au

All WWCC numbers must be cleared by Macquarie University Governance prior to students attending any clinical placements or observation sessions.

You can apply for a WWC check here:

<https://www.kidsguardian.nsw.gov.au/child-safe-organisations/working-with-children-check>

You can watch a video on how to apply for a WWC check here:

<https://www.youtube.com/watch?v=k>

Vaccination Record Card for Health Care Workers and Students



Personal Details (please print)

Please refer to instructions overleaf

Surname			Given names	
Address				
	State:	P/code:	Date of Birth	
Email			Staff/student ID No.	
Contact numbers	(mobile)	(home)	(work)	

Vaccine	Date	Batch No.	Official Certification by Vaccination Provider (clinic/practice stamp, full name and signature)
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Adult formulation diphtheria, tetanus, acellular pertussis (whooping cough) vaccine (adult dose of dTpa vaccine)

Dose 1			
Booster 10 years after previous dose			

Hepatitis B vaccine (age appropriate course of vaccinations **AND** hepatitis B surface antibody $\geq 10\text{mIU/mL}$ **OR** core antibody positive)

Dose 1			
Dose 2			
Dose 3			

AND

Serology: anti-HBs		Result	mIU/mL
OR		Result	mIU/mL
Serology: anti-HBc		Positive	Negative

Influenza vaccine (strongly recommended for all health care workers & **mandatory** for Category A High Risk health care workers)

Measles, Mumps and Rubella (MMR) vaccine
(2 doses MMR vaccine at least 1 month apart **OR** positive serology for measles, mumps and rubella **OR** birth date before 1966)

Dose 1			
Dose 2			

OR

Serology Measles		IgG Result	
Serology Mumps		IgG Result	
Serology Rubella		IgG Result	

Varicella vaccine (age appropriate course of vaccination **OR** positive serology)

Dose 1			
Dose 2			

OR Serology Varicella

		IgG Result	
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TB Screening	Date	Batch No. or Result	Given by/Read by (clinic/practice stamp, full name and signature)
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Requires TB screening?		YES NO (please circle)	
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History of BCG vaccination		YES NO (please circle)	
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TB screening - Interferon Gamma Release Assay (IGRA) OR Tuberculin Skin Test (TST) performed at NSW TB Services only

IGRA		Positive Indeterminate Negative	
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OR

TST injection			
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Reading		Induration	mm
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TST injection if 2 step required

Reading		Induration	mm
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Other TB investigations (including chest X ray)

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Vaccination Record Card for Health Care Workers and Students

INSTRUCTIONS

Enough information must be provided to enable an assessor to verify that an appropriate vaccine has been administered by a registered vaccination provider. Therefore:

- Providers should record their full name, signature, date specific vaccine given and official provider stamp at the time of vaccine administration.
- Batch numbers should be recorded where possible.
- Serological results should be recorded on the card as numerical values or positive/negative, as appropriate, not simply "immune".
- Copies of vaccination records (e.g. childhood vaccinations) and copies of relevant pathology reports may be attached to the card, if available.

Evidence required for Category A Staff

Disease	Evidence of vaccination	Documented serology results	Notes
Diphtheria, tetanus, pertussis (whooping cough)	<input type="checkbox"/> One adult dose of pertussis-containing vaccine (dTpa) ¹ in the previous 10 years Do not use ADT vaccine as it does not contain the pertussis component	Serology will not be accepted	
Hepatitis B	<input type="checkbox"/> History of completed age-appropriate course of hepatitis B vaccine AND Not "accelerated" course²	<input type="checkbox"/> Anti-HBs greater than or equal to 10mIU/mL	<input type="checkbox"/> Documented evidence of anti-HBc, indicating past hepatitis B infection
Measles, mumps, rubella (MMR)	<input type="checkbox"/> 2 doses of MMR vaccine at least one month apart	<input type="checkbox"/> Positive IgG for measles, mumps and rubella ³	<input type="checkbox"/> Birth date before 1966
Varicella (chickenpox)	<input type="checkbox"/> 2 doses of varicella vaccine at least one month apart (evidence of one dose is sufficient if the person was vaccinated before 14 years of age)	<input type="checkbox"/> Positive IgG for varicella ³	
Tuberculosis (TB) * For those assessed as requiring screening	Not applicable	<input type="checkbox"/> Interferon Gamma Release Assay (IGRA) + Clinical review for positive results	<input type="checkbox"/> Tuberculin skin test (TST) + Clinical review for positive results
Influenza vaccine	<i>Strongly recommended for all health care workers & mandatory for Category A High Risk health care workers</i>		

*TB screening (TST or IGRA) required if the person was born in a country with high incidence of TB, or has resided or travelled for a cumulative time of 3 months or longer in a country with a high incidence of TB, as listed at: www.health.nsw.gov.au/Infectious/tuberculosis/Documents/countries-incidence.pdf

¹ Serology is only required for MMR and Varicella protection if vaccination records are not available and the person was born during or after 1966

² A person receiving an accelerated course of hepatitis B vaccinations will not have completed the course until they have the 4th dose 12 months after the first dose.

³ Serology is only required for MMR and Varicella protection if vaccination records are not available and the person was born during or after 1966