

Unit Outline (Higher Education)

Institute / School:	Institute of Health and Wellbeing
Unit Title:	ANATOMY AND PHYSIOLOGY FOR PHYSIOTHERAPY 2
Unit ID:	NHPPS1122
Credit Points:	15.00
Prerequisite(s):	(NHPPS1111)
Co-requisite(s):	Nil
Exclusion(s):	Nil
ASCED:	061701

Description of the Unit:

This unit will introduce the principles of human body structure and function as relevant for students of physiotherapy. This includes an introduction to cells and tissues, the musculoskeletal system and the nervous system. This will include a detailed study of the gross anatomical structure and functional anatomy of the upper limb, and the various body systems including the special senses, the respiratory, cardiovascular, integumentary, lymphatic, digestive, endocrine, renal and reproductive systems. An integrated understanding of the human body will be achieved through online learning as well as practical sessions, including the interactive study of digital human cadaveric models and clinical case-studies. This blended approach to learning will facilitate the integration of learning material with contemporary clinical practice, through the correlation of anatomical structure to physiological function.

Grade Scheme: Graded (HD, D, C, P, MF, F, XF)

Work Experience:

Not wholly work experience: Student is not undertaking work experience in industry or student is undertaking work experience in industry where learning and performance is directed by the provider.

Placement Component: No

Supplementary Assessment: Yes

Where supplementary assessment is available a student must have failed overall in the Unit but gained a final mark of 45 per cent or above, has completed all major assessment tasks (including all sub-components where a task has multiple parts) as specified in the Unit Description and is not eligible for any other form of supplementary assessment

Course Level:

Level of Unit in Course	AQF Level of Course					
	5	6	7	8	9	10
Introductory	■	■	✓	■	■	■
Intermediate	■	■	■	■	■	■
Advanced	■	■	■	■	■	■

Learning Outcomes:

On successful completion of the unit the students are expected to be able to:

Knowledge:

- K1.** Identify and describe the gross anatomy of the upper limb, including the shoulder, elbow, forearm, wrist and hand
- K2.** Explain the basic kinesiology of the joints in the upper limb
- K3.** Identify and describe the anatomical structures of specific body systems including the musculoskeletal, respiratory, cardiovascular, integumentary, lymphatic, digestive, endocrine, renal and reproductive systems
- K4.** Explain physiological processes of specific body systems including the musculoskeletal, respiratory, cardiovascular, integumentary, lymphatic, digestive, endocrine, renal and reproductive systems

Skills:

- S1.** Relate the concept of homeostasis to physiological processes
- S2.** Apply underlying physiological principles to the care of a client in a practical scenario
- S3.** Collate and evaluate clinical data relevant to the functioning of various body systems

Application of knowledge and skills:

- A1.** Demonstrate accurate use of health terminology related to human anatomy and physiology for communication in a health or therapeutic environment.
- A2.** Apply anatomical and physiological knowledge to physiotherapy
- A3.** Apply theoretical principles and concepts of human anatomy and physiology to simulated scenarios in a health or therapeutic environment

Unit Content:

The Physiotherapy Board of Australia (PBA) Code of Conduct (2014); Physiotherapy practice thresholds in Australia and Aotearoa New Zealand (2015) and National Safety and Quality Health Service (NSQHS) Standards (2017) have substantially informed the syllabus/content of this unit.

- Anatomy and physiology of the musculoskeletal system as it relates to the upper limb
- Anatomy and physiology of specific body systems including the special senses, the respiratory, cardiovascular, integumentary, lymphatic, digestive, endocrine, renal and reproductive systems
- Introduction to the thermoregulation, blood, immunology, nutrition and metabolism

Learning Task and Assessment:

Learning Outcomes Assessed	Assessment Tasks	Assessment Type	Weighting
K1, K2, K3, K4, S1, S2, S3	Online quiz based on lesson content weeks 1-4 delivered with a focus on physiology and physiology.	Online quiz	5-15%
K1, K2, K3, K4, S1, S2, S3	Online quiz based on lesson content weeks 5-8 delivered with a focus on physiology and physiology.	Online quiz	5-15%
K1, K2, K3, K4, S1, S2, S3	Online quiz based on lesson content weeks 9-12 delivered with a focus on physiology and physiology.	Online quiz	5-15%
K1, K2, K3, S2, S3, A2	Flag race styled assessment based on lesson content delivered with a focus on laboratory tasks and fundamental knowledge	Practical examination	20-40%
K1, K2, K3, K4, S1, S2, S3, A1, A2, A3	Written examination covering all learning outcomes	End of Semester Examination	30-50%

Adopted Reference Style:

APA

Refer to the [library website](#) for more information

Fed Cite - [referencing tool](#)