Unit Outline (Higher Education)

Institute / School:	Institute of Health and Wellbeing
Unit Title:	Anatomy and Physiology for Speech Pathology 1
Unit ID:	HEASP1011
Credit Points:	15.00
Prerequisite(s):	Nil
Co-requisite(s):	Nil
Exclusion(s):	(HEASP5011 and NHPBM1031)
ASCED:	061707

Description of the Unit:

This first anatomy and physiology unit is taught as an interdisciplinary unit, providing a firm grounding in the knowledge and skills required for optimal collaboration within interdisciplinary teams. This unit will introduce the principles of human body structure and function as relevant for students of Speech Pathology. This includes an introduction to cells and tissues, the nervous system and the function and relationships of bone muscle and joints. A detailed study of gross anatomical structure and functional anatomy relevant to communication sciences and disorders. It provides a solid foundation in how anatomy and physiology relate to the speech, language and hearing systems. An integrated understanding of the human body will be achieved with practical sessions, including the study of human cadaveric material and functional and clinical case-studies to facilitate the integration of material and the correlation of structure to function. This unit may be co-taught with NHPBM 1031.

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

Work Experience:

No work experience

Placement Component:

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:

Knowledge:

K1. Identify and describe the structure (Anatomy) and function (physiology) of the musculo-skeletal and nervous systems

K2. Identify and describe the structure of the neck, vertebral column and upper limbs

K3. Discuss the relationship between the organisational levels of the human body from the cellular to the organ level of communication 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 with a focus on communication systems and swallowing.

Application of knowledge and skills:

A1. Critically apply anatomical and physiological knowledge to a human bioscience discipline.

A2. Evaluate cranial nerve function to predict impairment related to speech, hearing and swallowing

Unit Content:

This may include:
•General Cells, tissues, organs organisation of human body Musculo-skeletal anatomy and physiology, bones, joints ligaments of skull Anatomy and physiology of the head and neck Neuroanatomy and physiology Vertebral column and spinal cord
•Speech Pathology Specific Relevant anatomical terminology Embryology of the head and neck General embryonic development Development of the structures for speech, hearing and swallowing Introduction to atypical embryonic development (e.g. cleft lip and palate) Musculoskeletal anatomy of the head and neck\ Anatomy of the skull Muscles of mastication and muscles of facial expression Muscles of the tongue, infra and suprahyoid Larynx: framework, muscles, membranes and ligaments Muscles of the pharynx and soft palate Nerve and blood supply of the head, neck, and thorax Review of the Nervous System related to speech pathology practice Overview of the nervous system The brain The spinal cord Blood supply of the CNS Cranial nerves and their importance to speech, swallowing and hearing

Learning Task and Assessment:

Learning Outcomes Assessed	Assessment Tasks	Assessment Type	Weighting
K1, K2, K3, S1, S2	Lesson content delivered with a focus on physiology and student-directed learning tasks using multimedia approaches	Online quizzes	5-15%
K1, K2, K3, S1, S2, S3	Lesson content delivered with a focus on anatomy and student-directed learning tasks using multimedia approaches	Online quizzes	10-30%
K1, K2, K3, S1, S2, S3	Lesson content delivered with a focus on laboratory tasks and student-directed learning tasks using multimedia approaches	OSCE/Practical Examination	20-40%
K1, K2, K3, S1, S2, S3, A1, A2	Lesson content delivered - Blended learning covering all learning outcomes.	Theoretical Written Examination	30-50%

Adopted Reference Style:

APA ()

Refer to the library website for more information

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