

Unit Outline (Higher Education)

Institute / School:	Institute of Health and Wellbeing
Unit Title:	ANATOMY AND PHYSIOLOGY FOR SPEECH PATHOLOGY 2
Unit ID:	HEASP1021
Credit Points:	15.00
Prerequisite(s):	(HEASP1011)
Co-requisite(s):	Nil
Exclusion(s):	(NHPBM1032)
ASCED:	061707

Description of the Unit:

This unit builds on the principles introduced in HEASP1011. It further develops the study of gross anatomical structure and functional anatomy relevant to communication sciences and disorders. It builds on how anatomy and physiology relate to the speech, language, swallowing, voice, fluency and hearing systems. The unit also develops physiological processes and anatomical structure of the cardiovascular, respiratory, gastrointestinal, renal reproductive systems and endocrinology as relevant to the rehabilitation sciences. The emphasis will be on gaining an integrated understanding of the human body through practical sessions including human cadaveric material and functional and clinical case studies to facilitate integration of material and correlation. Some unit modules maybe co-taught with NHPBM1032.

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 student is expected to be able to:

Knowledge:

- K1.** Identify and describe the structure (Anatomy) and function (physiology) of the cardiovascular, respiratory, gastro-intestinal urinary and endocrine systems
- K2.** Explain the structures and the effects of pathophysiology related to the processes of speech, hearing and swallowing using appropriate discipline specific terminology

Skills:

- S1.** Relate the concept of homeostasis to physiological processes to the various body systems
- S2.** Collate and evaluate clinical data relevant to the functioning of various body systems

Application of knowledge and skills:

- A1.** Critically apply anatomical and physiological knowledge to a human bioscience discipline
- A2.** Compare and contrast the relevant anatomical processes related to speech, hearing and swallowing for both normal and impaired states

Unit Content:

Professional Standards for Speech Pathologist in Australia (2020), Speech Pathology Guidelines for Reporting of Aboriginal and Torres Strait Islander Curriculum Development and Inclusions (2018), The Occupational Therapy Board of Australia, OTBA Code of Conduct (2014) Australian Occupational Therapy Competency Standards (2018), National Quality and Safeguarding Framework (NQS, 2018), National Safety and Quality Health Service (NSQHS) Standards (2017-2019) and National Aged Care Quality Standards (2019) have substantially informed the syllabus/content of this unit.

Topics may include:

- General
 - Lungs and respiration
 - Respiratory physiology
 - Cardiovascular physiology
 - Digestive anatomy and physiology
 - Anatomy of Urogenital system
 - Renal physiology
 - Endocrinology
 - Surface anatomy and clinical applications
- Speech Pathology Specific
 - Respiration
 - Revision and extension of the anatomy of breathing: skeletal and muscular

- Revision and extension of the mechanics of breathing
- Concepts of pressure, resistance, flow

Phonation

- The process of phonation and functional anatomy related to phonation

Articulation

- The process of articulation and functional anatomy related to articulation

Swallowing

- The process of swallowing and functional anatomy related to swallowing

Hearing

- The process of hearing and functional anatomy related to hearing
- Sound and sound perception

Learning Task and Assessment:

Professional Standards for Speech Pathologists in Australia (2020), Federation University Graduate Attributes and unit Intended Learning Outcomes are assessed in the assessment task

Students must complete all assessment tasks and achieve a minimum overall grade of 50% to pass this unit

Learning Outcomes Assessed	Assessment Tasks	Assessment Type	Weighting
1. K1, K2, S1, S2, A1, A2	Focus on anatomy and physiology content at end of practical classes	In Class test	25-35%
2. K1, K2, S1, S2, A1,A2	Focus on anatomy and physiology content	OSCE/Practical examination	25-35%
3. K1, K2, S1, S2, A1, A2	Theory examination on class content	Written Theory Examination	35-45%

Adopted Reference Style:

APA

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

Fed Cite - [referencing tool](#)