



**FACULTY OF HEALTH SCIENCES AND SPORTS**  
**BACHELOR OF SCIENCE IN SPEECH-LANGUAGE THERAPY**  
**LEARNING MODULE OUTLINE**

Academic Year	2024/2025	Semester	2
Module Code	STAN1102		
Learning Module	Anatomy for Speech and Language		
Pre-requisite(s)	Nil		
Medium of Instruction	Chinese/ English		
Credits	3	Contact Hours	45
Instructor	Yu-Chun Chih	Email	ycchih@csmu.edu.tw
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**MODULE DESCRIPTION**

This course is an introductory course of speech and language pathology. The content that will be covered in the course includes: (1) the anatomical structures of the nervous system that speech and language pathologists need to understand and the functions of anatomical structures in language and speech processing mechanism. (2) the anatomy and innervations related to speech production. The content of these two main domains will serve as the basis for the core curriculum of speech and language pathology in the future.

**MODULE INTENDED LEARNING OUTCOMES (ILOS)**

On completion of this learning module, students will be able to:

M1.	To understand the anatomical structures and functions of human brain.
M2.	To understand the functions of cranial nerves.
M3.	To understand the anatomical structures of speech subsystems, including respiratory, phonatory, articulatory and resonance systems.

These ILOs aims to enable students to attain the following Programme Intended Learning Outcomes (PILOs):

PILOs	M1	M2	M3
P1. To demonstrate understanding of knowledge in behavioural sciences, speech and hearing sciences, as well as speech and hearing disorders	✓	✓	✓
P2. To demonstrate understanding of knowledge in assessment, treatment, counselling and other professional knowledge related to speech, language and swallowing impairment	✓	✓	✓
P3. To employ professional techniques in assessment and intervention in language, speech and swallowing disorders			



P4. To demonstrate effective communication and teamwork skills	✓	✓	✓
P5. To demonstrate a high standard of professional ethics and attitudes of holistic care, respect and compassion			
P6. To recognise the international trend of speech and hearing disorders and develop the spirits of social involvement and lifelong learning	✓	✓	✓

#### MODULE SCHEDULE, COVERAGE AND STUDY LOAD

Week	Content Coverage	Contact Hours
1	Basis of neuro anatomy, nerve cells ,neural transmission	2
2	Gross anatomy , cerebrum	5
3	Cerebellum, diencephalon, brainstem	4
4	Cerebrovascular system	3
5	Somatosensory system	2
6	Motor system	2
7	Cranial nerves	3
8	Midterm exam	1
	Respiration system: anatomy & physiology I	3
9	Respiration system: anatomy & physiology II	3
10	Phonation system: anatomy & physiology I	3
11	Phonation system: anatomy & physiology II	3
12	Phonation system: anatomy & physiology III	3
13	Phonation system: anatomy & physiology IV	3
14	Articulatory and resonance system: anatomy & physiology I	2
15	Articulatory and resonance system: anatomy & physiology II	2
16	Final exam	1

#### TEACHING AND LEARNING ACTIVITIES

In this learning module, students will work towards attaining the ILOs through the following teaching and learning activities:

Teaching and Learning Activities	M1	M2	M3
T1. Lecture	✓	✓	✓
T2. Application of media	✓	✓	✓
T3. Anatomy models/anatomy App	✓	✓	✓
T4. Course assignment	✓		✓



## ATTENDANCE

Attendance requirements are governed by the Academic Regulations Governing Bachelor's Degree Programmes of the Macao Polytechnic University. Students who do not meet the attendance requirements for the learning module shall be awarded an 'F' grade.

## ASSESSMENT

In this learning module, students are required to complete the following assessment activities:

Assessment Activities	Weighting (%)	ILOs to be Assessed
A1. Attendance and course participation	10	M1-M3
A2. Midterm exam	30	M1-M2
A3. Assignments	30	M1, M3
A4. Final exam	30	M2-M3

This learning module is graded on a 100 point scale, with 100 being the highest possible score and 50 being the passing score.

Any students scoring less than 35% of the total mark in the final examination will be given an "F" grade for the module even if the overall grade is 50% or higher.

The assessment will be conducted following the University's Assessment Strategy (see [www.mpu.edu.mo/teaching\\_learning/en/assessment\\_strategy.php](http://www.mpu.edu.mo/teaching_learning/en/assessment_strategy.php)). Passing this learning module indicates that students will have attained the ILOs of this learning module and thus acquired its credits.

## MARKING SCHEME

Letter Grade	Grade Definition	Mark Ranges
A	Excellent	93-100
A-		88-92
B+	Very Good	83-87
B		78-82
B-	Good	73-77
B		68-72
C+	Satisfactory	63-67
C		58-62
C-		53-57
D+	Pass	50-52
D		0-49
F	Fail	



## REQUIRED READINGS

語言、言語及聽力學之解剖與生理(Anatomy & Physiology for Speech, Language, and Hearing 5e)

出版社：合記出版社

ISBN：9789579282253

## REFERENCES

### 參考文獻

Webb, W. G., & Adler, R. K. (2008). *Neurology for the Speech Language Pathologist* (5 th ed.). St. Louis, MI: Mosby.

Fuller, D. R., Pimentel, J. T., & Peregoy, B. M. (2012). *Applied Anatomy and Physiology for Speech Language Pathology and Audiology*. Baltimore, MD: Lippincott Williams & Wilkins.

Seikel, J. A., King, D. W., & Drumright, D. G. (2010). *Anatomy and Physiology for Speech, language, and Hearing* (4 th ed.). Clifton Park, NY: Delmar.

蔡怡汝、陳淑華譯 民 102) 。 Netter s 言語、吞嚥及聽覺解剖學圖譜 原作者 D. H. McFarland) 。 臺北市：台灣愛思唯爾。原著出版年 2009)

## STUDENT FEEDBACK

At the end of every semester, students are invited to provide feedback on the learning module and the teaching arrangement through questionnaires. Your feedback is valuable for instructors to enhance the module and its delivery for future students. The instructor and programme coordinators will consider all feedback and respond with actions formally in the annual programme review.

## ACADEMIC INTEGRITY

The Macao Polytechnic University requires students to have full commitment to academic integrity when engaging in research and academic activities. Violations of academic integrity, which include but are not limited to plagiarism, collusion, fabrication or falsification, repeated use of assignments and cheating in examinations, are considered as serious academic offenses and may lead to disciplinary actions. Students should read the relevant regulations and guidelines in the Student Handbook which is distributed upon the admission into the University, a copy of which can also be found at [www.mpu.edu.mo/student\\_handbook/](http://www.mpu.edu.mo/student_handbook/).