



SPCH12003 *Functional Anatomy of the Head, Neck and Thorax*

Term 2 - 2020

Profile information current as at 19/08/2022 06:55 pm

All details in this unit profile for SPCH12003 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview

You will develop an understanding of the functional anatomy and physiology relevant to communication and swallowing. Topics covered include surface anatomy and the anatomical relationships of bones, muscles, blood vessels and nerves within each of the pertinent body regions. This unit will provide you with foundation knowledge to assist in clinical reasoning, practice and consultation in speech pathology.

Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Prerequisites BMSC11007 Medical Anatomy and Physiology 1 OR ALLH11005 Anatomy and Physiology for Health Professionals 1 BMSC11008 Medical Anatomy and Physiology 2 OR ALLH11004 Anatomy and Physiology for Health Professionals 2 SPCH11001 Introduction to Communication and Swallowing Disorders

Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

Offerings For Term 2 - 2020

- Rockhampton

Attendance Requirements

All on-campus students are expected to attend scheduled classes - in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

Class and Assessment Overview

Recommended Student Time Commitment

Each 6-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

Class Timetable

[Regional Campuses](#)

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

[Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

1. **Written Assessment**

Weighting: 50%

2. **Online Quiz(zes)**

Weighting: 10%

3. **Online Test**

Weighting: 40%

Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

CQUniversity Policies

All University policies are available on the [CQUniversity Policy site](#).

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

Previous Student Feedback

Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

Feedback from Student Feedback

Feedback

Students commented that, "it would be better to have live lecture every week than to watch pre-recorded lecture".

Recommendation

It is recommended that face-to face lectures replace previously recorded ones so that all lectures and practicals align with the on-campus status of the course.

Unit Learning Outcomes

On successful completion of this unit, you will be able to:

1. Define the skeletal structures, innervation and musculature serving respiration, phonation, mastication and swallowing, articulation and resonance, and hearing
2. Describe the functional importance of each structure/muscle/nerve relative to respiration, phonation, mastication and swallowing, articulation and resonance, and hearing
3. Explain the relationship between structure and function of the speech, hearing and swallowing mechanism in a developmental context
4. Discuss the relevance of anatomy and physiology to clinical practice in speech pathology
5. Discuss the relationship between physiologic functions which sustain life versus physiologic functions related to communication.

The learning outcomes in this unit contribute to the development of clinical and professional competencies as outlined by Speech Pathology Australia.

The Speech Pathology Australia Professional Framework states - "It is expected that an entry-level speech pathologist in Australia will be familiar with the ICF framework and competently apply the social health principles of individual functioning and well-being to their speech pathology practice. Applying the ICF to the clinical practice of speech pathology, practitioners can incorporate both the diagnosis of impairment (body function and structure) and the activity and participation of the individual to assess the impact of the communication and/or swallowing disorder on quality of life. A guiding principle of speech pathology assessment, habilitation and/or rehabilitation is a thorough evaluation of an individual's functional abilities. Using the ICF framework, including the contextual factors (environmental and personal) and activity and participation levels, allows speech pathologists to collaboratively set goals with an individual and their caregivers."

The Learning Outcomes for this unit reflect this principle through the assessment of foundation knowledge in anatomy and physiology required to accurately evaluate human body function and structure.

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
1 - Written Assessment - 50%		•	•	•	•
2 - Online Quiz(zes) - 10%	•	•			

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
3 - Online Test - 40%	•		•		•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
1 - Communication	•	•	•	•	•
2 - Problem Solving	•	•	•	•	•
3 - Critical Thinking		•	•	•	•
4 - Information Literacy	•	•	•	•	•
5 - Team Work					
6 - Information Technology Competence	•	•	•	•	•
7 - Cross Cultural Competence					
8 - Ethical practice					
9 - Social Innovation					
10 - Aboriginal and Torres Strait Islander Cultures					

Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Written Assessment - 50%	•	•	•	•		•				
2 - Online Quiz(zes) - 10%	•	•	•	•		•				
3 - Online Test - 40%	•	•	•	•		•				

Textbooks and Resources

Textbooks

SPCH12003

Prescribed

Anatomy & Physiology for Speech, Language, and Hearing

Edition: 5 (2015)

Authors: Anthony Seikel, David G. Drumright, Douglas W. King

Cengage Learning US

ISBN: 9781285198248

Binding: Paperback

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Supplementary

MCMINN AND ABRAHAMS' CLINICAL ATLAS OF HUMAN ANATOMY

Edition: 8 (2019)

Authors: Peter H. Abrahams, Jonathan D. Spratt, Marios Loukas, Albert-Neels van Schoor

Elsevier Health Sciences

ISBN: 9780702073328

Binding: Paperback

Additional Textbook Information

Students can use the same Clinical Atlas from year 1 Medical Anatomy and Physiology (7th or 8th ed).

[View textbooks at the CQUniversity Bookshop](#)

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)

Referencing Style

All submissions for this unit must use the referencing style: [American Psychological Association 7th Edition \(APA 7th edition\)](#)

For further information, see the Assessment Tasks.

Teaching Contacts

Charmaine Ramlogan-Steel Unit Coordinator

c.ramlogan-steel@cqu.edu.au

Schedule

Week 1 - 13 Jul 2020

Module/Topic	Chapter	Events and Submissions/Topic
Bones and Joints of the Head, Neck and Thorax	Seikel, J. A., Drumright, D. G., & King, D. W (2016). Anatomy and physiology for speech, language, and hearing (5th edition). Ch. 1 - pp. 1-30 Ch. 2 - pp. 49-74 Ch. 6 - pp. 316-355 Appendices A & B pp. 761-766	Written Assessment (50%), opens on week 1 Monday 09:00 am AEST and must be submitted online by week 10 Friday 05:00 pm AEST.

Week 2 - 20 Jul 2020

Module/Topic	Chapter	Events and Submissions/Topic
Muscles of the Head and Neck	Seikel, J. A., Drumright, D. G., & King, D. W (2016). Anatomy and physiology for speech, language, and hearing (5th edition). Ch. 2 - pp. 92-132 Ch. 6 - pp. 361-370, 376-385 Appendices C, D & E pp. 767-786	Online Quiz 1 (1%) - To be completed prior to Week 2 Tutorial

Week 3 - 27 Jul 2020

Module/Topic	Chapter	Events and Submissions/Topic
Vascular Features of the Head and Neck	Ch. 10 & 14 in Blumenfeld's Neuroanatomy through Clinical Cases (available in Moodle site)	Online Quiz 2 (1%) - To be completed prior to Week 3 Tutorial

Week 4 - 03 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
Nervous System	Seikel, J. A., Drumright, D. G., & King, D. W (2016). Anatomy and physiology for speech, language, and hearing (5th edition). Ch. 11 - pp. 577-652 Appendix F pp. 787	Online Quiz 3 (1%) - To be completed prior to Week 4 Tutorial

Week 5 - 10 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
Nerve Supply of Head, Neck & Thorax	Seikel, J. A., Drumright, D. G., & King, D. W (2016). Anatomy and physiology for speech, language, and hearing (5th edition). Ch. 11 - pp. 652-702 Ch. 12 - pp. 706-751 Appendix G pp. 789-792	Online Quiz 4 (1%) - To be completed prior to Week 5 Tutorial

Vacation Week - 17 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic

Week 6 - 24 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
The Thorax and the Respiratory System	Seikel, J. A., Drumright, D. G., & King, D. W (2016). Anatomy and physiology for speech, language, and hearing (5th edition). Ch. 2 - pp. 52-126 Ch. 3 - pp. 145-171 Appendix C pp.767- 774	Online Quiz 5 (1%) - To be completed prior to Week 6 Tutorial

Week 7 - 31 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
Articulation, Resonance & Swallowing	Seikel, J. A., Drumright, D. G., & King, D. W (2016). Anatomy and physiology for speech, language, and hearing (5th edition). Ch. 6 - pp. 299-370 Ch. 7 - pp. 411- 435 Ch. 10 in Moore's Before We Are Born (available in Moodle site)	Online Quiz 6 (1%) - To be completed prior to Week 7 Tutorial

Week 8 - 07 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic

Phonation	Seikel, J. A., Drumright, D. G., & King, D. W (2016). Anatomy and physiology for speech, language, and hearing (5th edition). Ch. 4 - pp. 184-235 Ch. 5 - pp. 245-288	Online Quiz 7 (1%) - To be completed prior to Week 8 Tutorial
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Week 9 - 14 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Hearing & Equilibrium	Seikel, J. A., Drumright, D. G., & King, D. W (2016). Anatomy and physiology for speech, language, and hearing (5th edition). Ch. 9 - pp. 499-519 Ch. 10 - pp. 532-555	Online Quiz 8 (1%) - To be completed prior to Week 9 Tutorial

Week 10 - 21 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Motor & Sensory Pathways	Ch. 6 & 7 in Blumenfeld's Neuroanatomy through Clinical Cases (available in Moodle site)	Online Quiz 9 (1%) - To be completed prior to Week 10 Tutorial WRITTEN ASSESSMENT Due: Week 10 Friday (25 Sept 2020) 5:00 pm AEST

Week 11 - 28 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Higher Order Cerebral Function	Ch. 19 in Blumenfeld's Neuroanatomy through Clinical Cases (available in Moodle site)	Online Quiz 10 (1%) - To be completed prior to Week 11 Tutorial

Week 12 - 05 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic
Revision (self-directed)		

Review/Exam Week - 12 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic
Final Assessment		Final Assessment (40%) Details TBA

Exam Week - 19 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic

Term Specific Information

Lectures are pre-recorded by Charmaine Ramlogan-Steel.
Tutorials are delivered via zoom by Jenni-Lee Rees and Charmaine Ramlogan-Steel.

Assessment Tasks

1 WRITTEN ASSESSMENT

Assessment Type

Written Assessment

Task Description

You will be given a case history of a person with an underlying health issue. You will be required to identify and describe the anatomical, physiological and neurological structures pertinent to the person's condition and its subsequent impact and presentation in relation to speech pathology associated areas of practice. Using the International Classification of Functioning, Disability and Health (ICF) framework you will identify suitable client-centered suggestions for holistic

intervention and management.

The case history information will be available to you from week 1 so you can work on various sections of the assignment as your knowledge and understanding of anatomy and its relationship to speech pathology develops each week.

Assessment extensions must be submitted, with appropriate documentation, via this unit's Moodle site. In the absence of an extension, late penalties on your marks for the assessment will apply.

Assessment Due Date

Week 10 Friday (25 Sept 2020) 5:00 pm AEST

Written Assessment must be submitted online

Return Date to Students

Week 12 Friday (9 Oct 2020)

Feedback will be provided via Moodle

Weighting

50%

Minimum mark or grade

50%. You must achieve a total score of 50/100 in order to pass this assessment task

Assessment Criteria

The full assessment criteria are included on the rubric on Moodle, but in summary you are marked on the following:

- Demonstrated understanding and use of the ICF and EBP in developing client-centered relevant intervention.
- Correctness, relevance and completeness of the response to the question asked.
- Ability to integrate underlying anatomical, physiological and neurological information to speech pathology related practice relevant to each question.
- Evidence of thorough research, use of high quality sources and accurate referencing using APA 2019 standards.
- Correct use and spelling of anatomical terminology.
- Accurate use of conventions including spelling, punctuation, grammar and syntax.
- Professional layout and organisation of the document.

Referencing Style

- [American Psychological Association 7th Edition \(APA 7th edition\)](#)

Submission

Online

Submission Instructions

Written Assessment must be submitted online by 5:00 PM (AEST), Friday, 25th September, 2020.

Learning Outcomes Assessed

- Describe the functional importance of each structure/muscle/nerve relative to respiration, phonation, mastication and swallowing, articulation and resonance, and hearing
- Explain the relationship between structure and function of the speech, hearing and swallowing mechanism in a developmental context
- Discuss the relevance of anatomy and physiology to clinical practice in speech pathology
- Discuss the relationship between physiologic functions which sustain life versus physiologic functions related to communication.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence

2 WEEKLY QUIZZES

Assessment Type

Online Quiz(zes)

Task Description

Weekly quizzes will be held each week beginning in Week 2 and ending in Week 11. Therefore, there will be 10 in total. Each quiz is worth 1% of the overall unit mark for a collective total of 10% of the overall unit mark. Each weekly quiz will be open for 12 hours prior to the tutorials and will need to be completed prior to the start of each weekly tutorial. Please contact the unit coordinator if there are circumstances that prevent you from completing one weekly quiz.

Directions will be given once contacted.

Number of Quizzes

Frequency of Quizzes

Assessment Due Date

Weekly quizzes each week beginning week 2 and ending week 11

Return Date to Students

One week after submission via Moodle

Weighting

10%

Minimum mark or grade

50% (cumulative) You must achieve a total score of 5/10 for the weekly quizzes in order to pass this assessment task

Assessment Criteria

For online quizzes, your responses are scored according to the following criteria:

- Ability to link underlying anatomical, physiological and neurological information to speech pathology related practice
- Demonstrated understanding and use of the ICF in developing client-centered relevant intervention
- Correctness, relevance and completeness of the response to the question asked
- Correct spelling and use of anatomical terminology

Referencing Style

- [American Psychological Association 7th Edition \(APA 7th edition\)](#)

Submission

Online

Learning Outcomes Assessed

- Define the skeletal structures, innervation and musculature serving respiration, phonation, mastication and swallowing, articulation and resonance, and hearing
- Describe the functional importance of each structure/muscle/nerve relative to respiration, phonation, mastication and swallowing, articulation and resonance, and hearing

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence

3 FINAL ASSESSMENT

Assessment Type

Online Test

Task Description

In the clinical context, speech pathologists are expected to have an in-depth knowledge and understanding of anatomical structures and their function in the head, neck and thorax.

This assessment will be based on material covered in lectures and tutorials from the entire term. The final assessment is worth 40% of your overall mark for the unit. It will be approximately 60-100 minutes in duration. It will consist of 10-20 topical questions, each with 4-8 brief questions. Photographs of anatomical models and bones that were discussed during the weekly sessions will be obtained and used in the assessment. You will be required to identify or describe anatomical structures, discuss function, innervation and blood supply of the labelled structures or associated structures. Structures will be labelled clearly on the photographs, using arrows or boxes and identified with A, B, C, D, etc. Questions will cover muscles, bones, joints, nerves, blood vessels, viscera and supporting structures in the head, neck and thorax. Students are responsible for all content covered in class for the entire term that is visible on photographs of the specimens that we have. Photographs of the models and bones from the weekly sessions will be provided to students via this unit's Moodle site for study and preparation.

Assessment extensions must be submitted, with appropriate documentation, via this unit's Moodle site. In the absence of an extension, there will be no opportunity to complete the task after the assigned date.

Assessment Due Date

Details will be provided on this unit's Moodle site

Return Date to Students

Within 2 weeks of the assessment date

Weighting

40%

Minimum mark or grade

50%. You must correctly answer 50% of the questions asked in this assessment to successfully pass the final assessment

Assessment Criteria

For the final assessment, your responses are scored according to the following criteria:

- correctness, relevance and completeness of the response to the question asked
- correct spelling and use of anatomical and professional terminology

Referencing Style

- [American Psychological Association 7th Edition \(APA 7th edition\)](#)

Submission

Online

Learning Outcomes Assessed

- Define the skeletal structures, innervation and musculature serving respiration, phonation, mastication and swallowing, articulation and resonance, and hearing
- Explain the relationship between structure and function of the speech, hearing and swallowing mechanism in a developmental context
- Discuss the relationship between physiologic functions which sustain life versus physiologic functions related to communication.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence

Academic Integrity Statement

As a CQUniversity student you are expected to act honestly in all aspects of your academic work.

Any assessable work undertaken or submitted for review or assessment must be your own work. Assessable work is any type of work you do to meet the assessment requirements in the unit, including draft work submitted for review and feedback and final work to be assessed.

When you use the ideas, words or data of others in your assessment, you must thoroughly and clearly acknowledge the source of this information by using the correct referencing style for your unit. Using others' work without proper acknowledgement may be considered a form of intellectual dishonesty.

Participating honestly, respectfully, responsibly, and fairly in your university study ensures the CQUniversity qualification you earn will be valued as a true indication of your individual academic achievement and will continue to receive the respect and recognition it deserves.

As a student, you are responsible for reading and following CQUniversity's policies, including the [Student Academic Integrity Policy and Procedure](#). This policy sets out CQUniversity's expectations of you to act with integrity, examples of academic integrity breaches to avoid, the processes used to address alleged breaches of academic integrity, and potential penalties.

What is a breach of academic integrity?

A breach of academic integrity includes but is not limited to plagiarism, self-plagiarism, collusion, cheating, contract cheating, and academic misconduct. The Student Academic Integrity Policy and Procedure defines what these terms mean and gives examples.

Why is academic integrity important?

A breach of academic integrity may result in one or more penalties, including suspension or even expulsion from the University. It can also have negative implications for student visas and future enrolment at CQUniversity or elsewhere. Students who engage in contract cheating also risk being blackmailed by contract cheating services.

Where can I get assistance?

For academic advice and guidance, the [Academic Learning Centre \(ALC\)](#) can support you in becoming confident in completing assessments with integrity and of high standard.

What can you do to act with integrity?



Be Honest

If your assessment task is done by someone else, it would be dishonest of you to claim it as your own



Seek Help

If you are not sure about how to cite or reference in essays, reports etc, then seek help from your lecturer, the library or the Academic Learning Centre (ALC)



Produce Original Work

Originality comes from your ability to read widely, think critically, and apply your gained knowledge to address a question or problem