

ORAL11005 *Oral Anatomy 2*

Term 2 - 2025

Profile information current as at 21/04/2026 08:28 pm

All details in this unit profile for ORAL11005 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

This unit builds on your knowledge of anatomy from ORAL11004 Oral Anatomy 1 and supports your study of oral pathology in ORAL11003 Introduction to Oral Disease. In the first half of this unit you will continue the study of anatomy and physiology of the head, neck and oral cavity with an emphasis of the clinical applications of this knowledge. In the second half of this unit you will study embryology and microscopic anatomy of structures within the oral cavity. With this unit you will develop the foundation knowledge required to administer local anaesthesia and conduct an extra-oral and intra-oral examination in oral health therapy practice.

Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

Credit Points: 6

Student Contribution Band: 9

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Condition: Students must be enrolled full-time in CB29 Oral Health Course to enrol in this unit. Prerequisite units are: ORAL11004 and BMSC11010.

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 - 2025

- 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. Practical Assessment

Weighting: 25%

2. Online Quiz(zes)

Weighting: 25%

3. In-class Test(s)

Weighting: 50%

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 In Class

Feedback

Students reported that the practical anatomy sessions were valuable and enjoyable, giving them ample time to complete all workbook activities. They particularly appreciated simulating local anesthesia on the manikin, and engaging in drawing exercises on the whiteboard.

Recommendation

It is recommended the practical anatomy sessions continue in small groups.

Feedback from In Class

Feedback

Students reported that they did not receive useful feedback on their practical anatomy test and first In Class written test.

Recommendation

It is recommended the assessment feedback process be reviewed.

Feedback from In Class

Feedback

Students reported feeling overwhelmed by the large amount of content and they felt it was difficult to discern what to focus on and what was important.

Recommendation

It is recommended the content and delivery of the unit be reviewed.

Unit Learning Outcomes

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

1. Identify and describe anatomical and radiographic features of the head and neck with particular relevance to dental anaesthesia and patient examination
2. Describe anatomy and physiology of the oral cavity with emphasis on innervation of oral structures, spread of infection, function of the temporomandibular joint and salivary glands
3. Describe the embryological development of the teeth and oral cavity, and the microscopic anatomy of oral structures
4. Demonstrate appropriate oral and written communication skills, professional attitudes and ethical behaviours as required of an Oral Health Therapist.

The learning outcomes of this unit are part of the overall learning outcomes in the BOralHlth course at CQUniversity. They will form part of the annual report documentation which is submitted to the Australian Dental Council for accreditation.

Alignment of Learning Outcomes, Assessment and Graduate Attributes

— N/A Level ● Introductory Level ● Intermediate Level ● Graduate Level ● Professional Level ● Advanced Level

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
1 - Practical Assessment - 25%	●			●
2 - Online Quiz(zes) - 25%	●	●	●	
3 - In-class Test(s) - 50%		●	●	●

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes			
	1	2	3	4
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 - First Nations Knowledges				
11 - Aboriginal and Torres Strait Islander Cultures				

Textbooks and Resources

Textbooks

ORAL11005

Prescribed

Illustrated anatomy of the head and neck

6th Edition (2020)

Authors: Fehrenbach, M. J., and Herring, S. W.

Elsevier Health Sciences

St Louis , Missouri , USA

ISBN: 9780323613019

This is the first time the textbook has been used as the prescribed textbook.

ORAL11005

Prescribed

Illustrated dental embryology, histology, and anatomy

6th edition (2025)

Authors: Fehrenbach, M.J., and Popowics, T,

Elsevier Health Sciences

St Louis , Missouri , USA

ISBN: 9780443104244

This is the first time the textbook has been used as the prescribed textbook.

The publication date for this edition is March 2025.

Additional Textbook Information

This is the first time these textbooks have been used as prescribed textbooks.

4th edition of Illustrated anatomy of the head and neck is available online in the E reading list for ORAL11005.

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 styles below:

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

For further information, see the Assessment Tasks.

Teaching Contacts

Ceinwen Fay Unit Coordinator

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Schedule

Week 1 - 14 Jul 2025

Module/Topic

Chapter

Events and Submissions/Topic

<p>Structures of the head and neck relevant to the dental examination:</p> <ul style="list-style-type: none"> • The eye • The ear • Paranasal sinuses • Structures of the anterior neck 	<p>Fehrenbach, M. J., and Herring, S. W. (2020) <i>Illustrated anatomy of the head and neck</i>. (6th Ed.), Elsevier, St Louis, Missouri. USA. Chapter 2. Surface Anatomy, Chapter 3. Skeletal Structures and Chapter 4. Muscular Structures.</p>	<p>Practical Laboratory Session.</p>
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Week 2 - 21 Jul 2025

Module/Topic	Chapter	Events and Submissions/Topic
<p>Salivary glands:</p> <ul style="list-style-type: none"> • Anatomical position of the major and minor salivary glands • Nerve supply, blood supply and lymphatic drainage • The relationship between salivary gland function and oral health. <p>The temporomandibular joint:</p> <ul style="list-style-type: none"> • Anatomy • Mandibular movement • Examination • TMJ dysfunction. 	<p>Fehrenbach, M. J., and Herring, S. W. (2020) <i>Illustrated anatomy of the head and neck</i>. (6th Ed.), Elsevier, St Louis, Missouri. USA. Chapter 7. Glandular Tissue and Chapter 5. Temporomandibular Joint.</p>	<p>Practical Laboratory Session.</p>

Week 3 - 28 Jul 2025

Module/Topic	Chapter	Events and Submissions/Topic
<p>Normal structures in patient examination:</p> <ul style="list-style-type: none"> • Extra-oral examination • Intra-oral examination. 	<p>Fehrenbach, M. J., and Herring, S. W. (2020) <i>Illustrated anatomy of the head and neck</i>. (6th Ed.), Elsevier, St Louis, Missouri. USA. Chapter 2. Surface Anatomy. Appendix B and Appendix C.</p>	<p>Practical Laboratory Session.</p>

Week 4 - 04 Aug 2025

Module/Topic	Chapter	Events and Submissions/Topic
<p>Landmarks for local anaesthesia</p> <ul style="list-style-type: none"> • Introduction to local anaesthesia for oral health therapists • Landmarks for local anaesthesia. 	<p>Fehrenbach, M. J., and Herring, S. W. (2020) <i>Illustrated anatomy of the head and neck</i>. (6th Ed.), Elsevier, St Louis, Missouri. USA. Chapter 8. Nervous System and Chapter 9. Anatomy of Local Anesthesia.</p>	<p>Practical Laboratory Session.</p>

Week 5 - 11 Aug 2025

Module/Topic	Chapter	Events and Submissions/Topic
<p>Introduction to embryology and microscopic anatomy</p> <ul style="list-style-type: none"> • Review the structure and function of cells, tissues, organs and organ systems • Origin of human tissue • Development of the oral facial region • Effects of genetic and environmental factors on oro-facial and dental development. 	<p>Fehrenbach, M.J., and Popowics, T, (2019) <i>Illustrated dental embryology, histology, and anatomy</i>. (5th Ed.,) Elsevier Health Sciences St Louis, Missouri. USA. Chapter 3. Prenatal Development, Chapter 4. Face and Neck Development and Chapter 5. Orofacial Development</p>	<p>Practical Laboratory Session. In-Class Test A</p>

Vacation Week - 18 Aug 2025

Module/Topic	Chapter	Events and Submissions/Topic
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Week 6 - 25 Aug 2025

Module/Topic	Chapter	Events and Submissions/Topic
<p>Development and eruption of teeth:</p> <ul style="list-style-type: none"> • The process of tooth eruption and shedding • Sequence of eruption and exfoliation. 	<p>Fehrenbach, M.J., and Popowics, T, (2019) <i>Illustrated dental embryology, histology, and anatomy</i>. (5th Ed.,) Elsevier Health Sciences St Louis, Missouri. USA. Chapter 6. Tooth Development and Eruption.</p>	<p>Practical Laboratory Session.</p>

Week 7 - 01 Sep 2025		
Module/Topic	Chapter	Events and Submissions/Topic
Microscopic anatomy 1: • Enamel • Dentine.	Fehrenbach, M.J., and Popowics, T, (2019) <i>Illustrated dental embryology, histology, and anatomy.</i> (5th Ed.,) Elsevier Health Sciences St Louis, Missouri. USA. Chapter 12. Enamel and Chapter 13. Dentin and Pulp.	Practical Laboratory Session.
Week 8 - 08 Sep 2025		
Module/Topic	Chapter	Events and Submissions/Topic
Microscopic anatomy 2: • Alveolar process • Periodontal ligament • Cementum.	Fehrenbach, M.J., and Popowics, T, (2019) <i>Illustrated dental embryology, histology, and anatomy.</i> (5th Ed.,) Elsevier Health Sciences St Louis, Missouri. USA. Chapter 14. Periodontium: Cementum, Alveolar process, and Periodontal Ligament.	Practical Laboratory Session. Anatomy Practical Assessment Due: Week 8 Thursday (11 Sept 2025) 5:00 pm AEST
Week 9 - 15 Sep 2025		
Module/Topic	Chapter	Events and Submissions/Topic
Microscopic anatomy 3: • Pulp Tissue • Oral Mucosa	Fehrenbach, M.J., and Popowics, T, (2019) <i>Illustrated dental embryology, histology, and anatomy.</i> (5th Ed.,) Elsevier Health Sciences St Louis, Missouri. USA. Chapter 9. Oral Mucosa and Chapter 13. Dentin and Pulp.	
Week 10 - 22 Sep 2025		
Module/Topic	Chapter	Events and Submissions/Topic
Microscopic anatomy 4: • Salivary glands • Salivary gland function and oral health. Radiographic examination revision.	Fehrenbach, M.J., and Popowics, T, (2019) <i>Illustrated dental embryology, histology, and anatomy.</i> (5th Ed.,) Elsevier Health Sciences St Louis, Missouri. USA. Chapter 11. Head and Neck Structures.	
Week 11 - 29 Sep 2025		
Module/Topic	Chapter	Events and Submissions/Topic
Spread of infection in the head and neck: • How odontogenic infections occur • Definitions of Abscess, Cellulitis and Osteomyelitis • Spread of infection to maxillary sinuses, vascular system, lymphatic system and tissue spaces.	Fehrenbach, M. J., and Herring, S. W. (2020) <i>Illustrated anatomy of the head and neck.</i> (6th Ed.,) Elsevier, St Louis, Missouri. USA. Chapter 10. Lymphatic System, Chapter 11. Fasciae and Spaces and Chapter 12. Spread of Infection.	
Week 12 - 06 Oct 2025		
Module/Topic	Chapter	Events and Submissions/Topic
Revision		
Review/Exam Week - 13 Oct 2025		
Module/Topic	Chapter	Events and Submissions/Topic
Exam Week - 20 Oct 2025		
Module/Topic	Chapter	Events and Submissions/Topic

Assessment Tasks

1 Anatomy Practical Assessment

Assessment Type

Practical Assessment

Task Description

This assessment will evaluate your ability to apply anatomical knowledge of the head, neck and oral cavity in a practical context to prepare you for future clinical applications. To prepare for this test, you will engage in hands-on learning activities using:

- Anatomical and dental models
- Radiographs and charts
- Manikin-based simulations for local anaesthesia techniques.

Test Format

You will complete a station-based practical test in Week 8. The test includes 25-30 numbered stations, each requiring different tasks and may include:

- Identifying anatomical structures on models and radiographs
- Identifying teeth and estimating age based on dentition in radiographs or models
- Describing anatomical functions
- Demonstrating a practical skill.

Level of GenAI use allowed: Level 1:

No AI. You must not use AI at any point during the assessment. You must demonstrate your core skills and knowledge.

Assessment Due Date

Week 8 Thursday (11 Sept 2025) 5:00 pm AEST

The 72-hour grace period does not apply to this assessment.

Return Date to Students

Results and feedback for the Anatomy practical assessment will be made available 18th September 2025.

Weighting

25%

Minimum mark or grade

50%

Assessment Criteria

The station based practical anatomy test is worth 25% of your overall mark. This is a must pass assessment. You will be assessed on correct identification and description of normal anatomy, function and development of the facial, teeth and oral structures.

Referencing Style

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

Submission

Offline

Learning Outcomes Assessed

- Identify and describe anatomical and radiographic features of the head and neck with particular relevance to dental anaesthesia and patient examination
- Demonstrate appropriate oral and written communication skills, professional attitudes and ethical behaviours as required of an Oral Health Therapist.

2 Online Quiz

Assessment Type

Online Quiz(zes)

Task Description

In this assessment you will complete two online quizzes which will assess your understanding and application of terminology used in the study of oral anatomy.

In addition to attending weekly lectures and practical sessions, to prepare for this quiz you should complete the weekly practice quizzes.

About the Quizzes

The quiz questions will include multiple choice and matching questions.

Questions are randomly selected from a question bank.

You are allowed only one attempt per quiz.

Once the time limit expires, your quiz will be automatically submitted, and no further answers can be entered.

Online Quiz A will assess knowledge from weeks 1 - 4

Online Quiz B will assess knowledge from weeks 5 - 10.

Level of GenAI use allowed: Level 1:

No AI. You must not use AI at any point during the assessment. You must demonstrate your core skills and knowledge.

Number of Quizzes

2

Frequency of Quizzes

Other

Assessment Due Date

The first quiz opens Friday 8th August 2025 and closes Friday 22nd August 2025. The second quiz opens Friday 5th September 2025 and closes Friday 19th September. The 72-hour grace period does not apply to this assessment.

Return Date to Students

Each quiz is marked automatically. Results will display when each quiz closes.

Weighting

25%

Minimum mark or grade

50%

Assessment Criteria

The quizzes include matching and multiple-choice questions which are chosen randomly from a bank of questions.

Questions are marked automatically correct or incorrect. The first quiz is worth 10%. The second quiz is worth 15%. The combined total is 25% of the total grade for this unit. This is a must-pass assessment. You must achieve at least 50% in this assessment.

Referencing Style

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

Submission

Online

Learning Outcomes Assessed

- Identify and describe anatomical and radiographic features of the head and neck with particular relevance to dental anaesthesia and patient examination
- Describe anatomy and physiology of the oral cavity with emphasis on innervation of oral structures, spread of infection, function of the temporomandibular joint and salivary glands
- Describe the embryological development of the teeth and oral cavity, and the microscopic anatomy of oral structures

3 In-Class Tests

Assessment Type

In-class Test(s)

Task Description

You will complete two closed-book, written in-class tests to assess your understanding of oral anatomy. To prepare for these tests you are advised to:

- Review lecture notes, readings, and weekly learning materials.
- Practice writing clear, concise responses to paragraph-style questions. You will find past year practice questions in the weekly study guides.
- Complete the weekly practice quizzes to self assess your understanding of key concepts and terminology related to oral anatomy.

Test Format

Each test will include a short section of short answer questions where you maybe asked to fill the blank or complete the sentence as well as short written response questions. The test may include questions requiring you to draw or label diagrams. The tests are closed-book under supervised conditions.

Level of GenAI use allowed: Level 1:

No AI. You must not use AI at any point during the assessment. You must demonstrate your core skills and knowledge.

Assessment Due Date

The first In-class test is due Week 5 Monday 11th August 2025. The second in-class test is due Exam week Tuesday 14th October. The 72-hour grace period does not apply to this assessment.

Return Date to Students

Results of the first test will be returned in Week 6. Results of the second test will be returned on release of grades.

Weighting

50%

Minimum mark or grade

50%

Assessment Criteria

The first In-Class test is worth 20%. The second In-Class test is worth 30%. The combined marks are worth 50% of the total grade for this unit. This is a must pass assessment. You must achieve 50% of the cumulative score of both tests. The combined In-Class tests will cover all content in lectures, tutorials, study guides and required readings.

Referencing Style

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

Submission

Offline

Submission Instructions

The answer sheet for each of the In-Class tests will be submitted offline in class.

Learning Outcomes Assessed

- Describe anatomy and physiology of the oral cavity with emphasis on innervation of oral structures, spread of infection, function of the temporomandibular joint and salivary glands
- Describe the embryological development of the teeth and oral cavity, and the microscopic anatomy of oral structures
- Demonstrate appropriate oral and written communication skills, professional attitudes and ethical behaviours as required of an Oral Health Therapist.

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