



# ORAL11005 Oral Anatomy 2

## Term 2 - 2023

Profile information current as at 26/04/2024 02:51 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 - 2023

- 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, by email and student evaluations.

**Feedback**

Students enjoyed the interactions with the guest lecturer on the topics of embryology and tooth development.

**Recommendation**

It is recommended to continue the the guest lecturer sessions and utilize the related teaching resources created for embryology and tooth development.

#### Feedback from In class, by email and student evaluations.

**Feedback**

Students enjoyed the session with the LA manikin but felt that their time was limited in this session.

**Recommendation**

It is recommended that the practical session for local anaesthesia be extended over two weeks instead of one.

#### Feedback from In class, by email and student evaluations.

**Feedback**

Students would like more time to review the nerves earlier in the term.

**Recommendation**

It is recommended the 2023 lecture schedule be amended to revise the nerves and landmarks for local anaesthesia earlier in the term.

#### Feedback from In class, by email and student evaluations

**Feedback**

Students struggled with understanding some aspects of microscopic anatomy. Lectures in some microscopic anatomy topics were too lengthy and could not be completed within the lecture time.

**Recommendation**

It is recommended the microscopic anatomy lectures be revised and additional learning resources be developed to assist students to learn microscopic anatomy concepts.

## 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



### 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 - Aboriginal and Torres Strait Islander Cultures				

## Textbooks and Resources

### Textbooks

ORAL11005

#### Prescribed

##### **Essentials of oral histology and embryology: A clinical approach.**

5th Edition (2018)

Authors: Daniel J Chiego

Elsevier

St Louis , Missouri , USA

ISBN: 9780323497251

Binding: Paperback

ORAL11005

#### Supplementary

##### **Woelfel's Dental Anatomy**

9th Edition (2017)

Authors: Rickne C. Scheid and Gabriela Weiss

Jones and Bartlett Learning (now Booktopia Publisher Services)

Philadelphia , PA , USA

ISBN: 9781496320223

Binding: Paperback

#### Additional Textbook Information

Woelfel's Dental Anatomy is the prescribed textbook for ORAL11004 Oral Anatomy 1 and will be used in ORAL11005 Oral Anatomy 2.

[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 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

[c.m.fay@cqu.edu.au](mailto:c.m.fay@cqu.edu.au)

## Schedule

### Week 1 - 10 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

Structures of the head and neck relevant to the dental examination: <ul style="list-style-type: none"> <li>• The eye</li> <li>• The ear</li> <li>• Paranasal sinuses</li> <li>• Structures of the anterior neck</li> </ul>	Scheid, R. C., and Weiss, G. (2017) <i>Woelfel's dental anatomy</i> (9th edn), Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA. Part 3, Chapter 14 and Chapter 15.	Anatomy Lab practical session Tuesday
--	---	---------------------------------------

### Week 2 - 17 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
Salivary Glands: <ul style="list-style-type: none"> <li>• Anatomical position of the major and minor salivary gland and the relationship of anatomical structures such as bones, muscles, blood vessels, lymph nodes and nerves</li> <li>• Nerve supply, blood supply and lymphatic drainage of the salivary glands.</li> <li>• The relationship between salivary gland function and oral health.</li> </ul> The temporomandibular joint: <ul style="list-style-type: none"> <li>• Anatomy</li> <li>• Muscles affecting mandibular movement</li> <li>• Function</li> <li>• Examination</li> <li>• TMJ dysfunction.</li> </ul>	Scheid, R. C., and Weiss, G. (2017) <i>Woelfel's dental anatomy</i> (9th edn), Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA. Part 3, Chapter 15.	

### Week 3 - 24 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
Normal structures in patient examination: <ul style="list-style-type: none"> <li>• Normal structures for the extra oral examination</li> <li>• Normal structures for the intra-oral examination.</li> </ul>	Scheid, R. C., and Weiss, G. (2017) <i>Woelfel's dental anatomy</i> (9th edn), Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA. Part 3, Chapter 15.	Anatomy Lab practical session Tuesday.

### Week 4 - 31 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
Landmarks for Local Anaesthesia <ul style="list-style-type: none"> <li>• Introduction to local anaesthesia for oral health therapists</li> <li>• Landmarks for local anaesthesia.</li> </ul>	Scheid, R. C., and Weiss, G. (2017) <i>Woelfel's dental anatomy</i> (9th edn), Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA. Part 3, Chapter 15.	Anatomy Lab practical session Tuesday.

### Week 5 - 07 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Embryology and Microscopic Anatomy <ul style="list-style-type: none"> <li>• Review the structure and function of cells, tissues, organs and organ systems</li> <li>• Origin of human tissue</li> <li>• Development of the oral facial region</li> <li>• Effects of genetic and environmental factors on oro-facial and dental development.</li> </ul>	Chiego (Jnr), D. J. (2019) <i>Essentials of oral histology and embryology: A clinical approach</i> (5th Edn) Mosby, an Imprint of Elsevier Inc. St Louis, Missouri, USA. Chapters 1,2,3 and 4.	Anatomy Lab practical session and In-class test Tuesday.

### Vacation Week - 14 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

### Week 6 - 21 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

Development and eruption of teeth: <ul style="list-style-type: none"> <li>• The process of tooth eruption and shedding</li> <li>• Sequence of eruption and exfoliation.</li> </ul>	Chiego (Jnr), D. J. (2019) <i>Essentials of oral histology and embryology: A clinical approach</i> (5th Edn) Mosby, an Imprint of Elsevier Inc. St Louis, Missouri, USA. Chapters 1,2,3 and 4.	Anatomy Lab practical session Tuesday.
--	--	--

### Week 7 - 28 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic
Microscopic Anatomy 1: <ul style="list-style-type: none"> <li>• Enamel</li> <li>• Dentine.</li> </ul>	Chiego (Jnr), D. J. (2019) <i>Essentials of oral histology and embryology: A clinical approach</i> (5th Edn) Mosby, an Imprint of Elsevier Inc. St Louis, Missouri, USA. Chapters 7 and 8.	

### Week 8 - 04 Sep 2023

Module/Topic	Chapter	Events and Submissions/Topic
Microscopic Anatomy 2: <ul style="list-style-type: none"> <li>• Alveolar process</li> <li>• Periodontal ligament</li> <li>• Cementum.</li> </ul>	Chiego (Jnr), D. J. (2019) <i>Essentials of oral histology and embryology: A clinical approach</i> (5th Edn) Mosby, an Imprint of Elsevier Inc. St Louis, Missouri, USA. Chapters 10, 11 and 12.	

### Week 9 - 11 Sep 2023

Module/Topic	Chapter	Events and Submissions/Topic
Microscopic Anatomy 3: <ul style="list-style-type: none"> <li>• Pulp Tissue</li> <li>• Oral Mucosa</li> </ul>	Chiego (Jnr), D. J. (2019) <i>Essentials of oral histology and embryology: A clinical approach</i> (5th Edn) Mosby, an Imprint of Elsevier Inc. St Louis, Missouri, USA. Chapters 10, 11 and 12.	

### Week 10 - 18 Sep 2023

Module/Topic	Chapter	Events and Submissions/Topic
Microscopic anatomy 4: <ul style="list-style-type: none"> <li>• Salivary glands</li> <li>• Salivary gland function and oral health.</li> </ul> Radiographic examination revision.	Chiego (Jnr), D. J. (2019) <i>Essentials of oral histology and embryology: A clinical approach</i> (5th Edn) Mosby, an Imprint of Elsevier Inc. St Louis, Missouri, USA. Chapters 10, 11 and 12.	Anatomy Lab practical session Tuesday.

### Week 11 - 25 Sep 2023

Module/Topic	Chapter	Events and Submissions/Topic
Spread of infection in the head and neck: <ul style="list-style-type: none"> <li>• How odontogenic infections occur</li> <li>• Abscess, Cellulitis and Osteomyelitis</li> <li>• Spread to maxillary sinuses, vascular system, lymphatic system and tissue spaces.</li> <li>• Signs, Symptoms and complications.</li> </ul>	Scheid, R. C., and Weiss, G. (2017) <i>Woelfel's dental anatomy</i> (9th edn), Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA. Part 3, Chapter 15.	Anatomy Lab practical session Friday.

### Week 12 - 02 Oct 2023

Module/Topic	Chapter	Events and Submissions/Topic
In Class test.		Anatomy Lab practical session Tuesday. In-class test Friday.

### Review/Exam Week - 09 Oct 2023

Module/Topic	Chapter	Events and Submissions/Topic
		Anatomy Practical assessment Wednesday.
		<b>Anatomy Practical Assessment</b> Due: Review/Exam Week Wednesday (11 Oct 2023) 11:00 am AEST

## Assessment Tasks

### 1 Anatomy Practical Assessment

#### Assessment Type

Practical Assessment

#### Task Description

In clinical practice, oral health therapists are expected to have an in-depth knowledge and understanding of the anatomical structures and functions of the head and neck, teeth and oral cavity. In preparation you will take part in practical learning activities with anatomical models, teeth models, and radiographs, as well as applying knowledge of anatomy to local anaesthesia techniques on a manikin. The multistation anatomy test is worth 25% of your overall mark. It consists of one multistation practical test which will take place in review/ exam week.

The test consists of approximately 30 numbered stations and will take approximately 90 minutes in duration. Stations will include anatomical models, teeth, charts, photographs and radiographs. You will be asked to correctly name, identify, describe the function, and estimate the age of a dentition. Some station may require you to demonstrate a practical task and answer a question verbally.

#### Assessment Due Date

Review/Exam Week Wednesday (11 Oct 2023) 11:00 am AEST

#### Return Date to Students

Exam Week Friday (20 Oct 2023)

#### Weighting

25%

#### Minimum mark or grade

50%

#### Assessment Criteria

The multistation practical anatomy test is worth 25% of your overall mark. This is a must pass assessment. You will be assessed on correct identification and your understanding 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

An understanding of the anatomy of the oral cavity, head and neck and the dentitions is essential for the Oral Health Therapist in clinical practice. To develop this knowledge and understanding it is necessary to become familiar with terminology used in the study of dental morphology and head and neck anatomy. Knowledge of terminology and important concepts will be assessed in the on-line quizzes assessment. Complete weekly practice questions to help you prepare for this assessment.

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

The first quiz opens Friday 11th August 8.00am and closes Friday 25th August 5.00pm. This quiz tests learning material in weeks 1 - 4. This quiz is worth 10%.

The second quiz opens Friday 8th September 8.00am and closes Friday 22nd September 5.00pm. This quiz tests learning material in weeks 5 -10. This quiz is worth 15%.

**Number of Quizzes**

2

**Frequency of Quizzes**

Other

**Assessment Due Date**

The first quiz opens Friday 11th August 8.00am and closes Friday 25th August 5.00pm. The second quiz opens Friday 8th September 8.00am and closes Friday 22nd September 5.00pm

**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 written In-class tests during allocated lecture time. The questions will include diagrams, short answer and longer paragraph questions. This is a closed-book assessment.

The first test will be conducted in Week 5. The first test will cover learning material in weeks 1-4 and is worth 20% of your final grade.

The second test will be conducted in Week 12. The second test will cover learning material in weeks 5-11 and is worth 30% of your final grade.

**Assessment Due Date**

The first In-class test is due in Week 5 Tuesday 8th August. The second in-class test is due Friday 6th October.

**Return Date to Students**

Results of the first test will be returned Friday 25th August. 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