



ORAL11005 *Oral Anatomy 2*

Term 2 - 2021

Profile information current as at 30/04/2024 05:30 am

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.

Corrections

Unit Profile Correction added on 02-07-21

In-Class test

TASK DESCRIPTION

You will complete two written In-class tests during allocated lecture time.

The first test will be conducted Monday 9th August 2021 in Week 5 during lecture time. 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 Tuesday 5th October 2021 in Week 12 during lecture time. The second test will cover learning material in weeks 5-11 and is worth 30% of your final grade.

Both tests will include both short and longer short paragraph questions.

Due Date Information

Due Date 05/10/2021 05:00 pm (Tuesday, Week 12)

Due Description The first In-class test is due 5.00pm Monday 9th August ,2021. The second in-class test is due 5.00pm Tuesday 5th October, 2021.

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 Oral Pathology and Diagnosis. 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 are: BIOH11005 and ORAL11004.

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 - 2021

- 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. **In-class Test(s)**

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 Student evaluations

Feedback

Students responded positively to the weekly practice quizzes. Students said that weekly quizzes helped them to, keep on track, test their understanding after a lecture, refresh their knowledge and demonstrate what subjects they knew and what they need to do more study on.

Recommendation

Weekly quizzes, which help students revise content and prepare for the online quizzes, will remain as part of this unit. The question bank will be updated and modified with additional feedback and revised questions for 2021.

Feedback from Student evaluations

Feedback

Students enjoyed the group activities in the anatomy labs. Students said the anatomy sessions helped consolidate what they learnt in lectures and that they enjoyed the shared learning experience with their peers. Students also said that participation in the anatomy laboratory sessions helped prepare them for the station-based anatomy test. However, not all students actively participated in the group discussions which meant that some students missed the opportunity for shared learning and felt unsure of how to complete the workbook questions.

Recommendation

Anatomy laboratory sessions, including practical activities with anatomical models, radiographs and local anaesthetic simulation, will remain in 2021. The sessions will be modified to encourage more group discussions. The sessions will follow outlines given in the workbook. Time will be set aside at the end of each session to clear any doubt on completion of the workbook.

Feedback from Student evaluations

Feedback

While tutorial sessions were scheduled on ZOOM and students participated by answering prepared questions, they didn't feel that the sessions were beneficial as the same few students answered all the questions all the time. Students felt that these sessions would be more beneficial in face-to-face with equal contribution from all students.

Recommendation

Tutorial sessions in 2021 have been scheduled as face-to-face delivery. The tutorials, which will follow the face-to-face lecture, will be held in suitable teaching space for group and class discussions. This will enable different learning experiences instead of a question and answer type session.

Feedback from Student evaluations

Feedback

Students like to print out the lecture slides for revision, but find some of the slide presentations very long and expensive to print out.

Recommendation

The power point presentations will continue to be made available on Moodle but modified in consideration of the amount of paper required and cost of printing.

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 - In-class Test(s) - 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				

Graduate Attributes	Learning Outcomes			
	1	2	3	4
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 - In-class Test(s) - 25%	•	•		•	•			•		
2 - Online Quiz(zes) - 25%	•	•		•		•				
3 - In-class Test(s) - 50%	•	•		•						

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 , USA , Missouri

ISBN: 9780323497251

Binding: Paperback

Additional Textbook Information

Copies can be purchased at the CQUni Bookshop here: <http://bookshop.cqu.edu.au> (search on the Unit code).

[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

Schedule

Week 1 - 12 Jul 2021

Module/Topic	Chapter	Events and Submissions/Topic
The Temporomandibular joint (TMJ): <ul style="list-style-type: none">• Anatomy• Muscles affecting mandibular movement• Function• Examination• TMJ dysfunction.	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, pages 411-417 and Chapter 15.	

Week 2 - 19 Jul 2021

Module/Topic	Chapter	Events and Submissions/Topic
Structures of the head and neck relevant to the dental examination: <ul style="list-style-type: none">• The eye• The ear• Paranasal sinuses• Structures of the anterior neck.	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 - 26 Jul 2021

Module/Topic	Chapter	Events and Submissions/Topic
Salivary Glands: <ul style="list-style-type: none">• 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• Nerve supply, blood supply and lymphatic drainage of the salivary glands.• The relationship between salivary gland function and oral health.	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 4 - 02 Aug 2021

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

Introduction to Embryology and Microscopic Anatomy

- 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.

Chiego (Jnr), D. J. (2019) *Essentials of oral histology and embryology: A clinical approach* (5th Edn) Mosby, an Imprint of Elsevier Inc. St Louis, Missouri, USA. Chapters 1,2,3 and 4.

Week 5 - 09 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
In-Class test written assessment for weeks 1-4. Development and eruption of teeth: • Development and growth of the teeth • The process of tooth eruption and shedding • Sequence of eruption and exfoliation.	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.	In-Class Test written assessment for weeks 1-4. This test is 20% of the final grade and will be conducted in lecture time.

Vacation Week - 16 Aug 2021

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

Week 6 - 23 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
Normal structures in patient examination: • Normal structures for the extra oral examination • Normal structures for the intra-oral examination • Review radiographic landmarks.	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 7 - 30 Aug 2021

Module/Topic	Chapter	Events and Submissions/Topic
Microscopic Anatomy 1: • Enamel • Dentine.	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 - 06 Sep 2021

Module/Topic	Chapter	Events and Submissions/Topic
Microscopic Anatomy 2: • Alveolar process • Periodontal ligament • Cementum.	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 - 13 Sep 2021

Module/Topic	Chapter	Events and Submissions/Topic
Microscopic Anatomy 3: • Pulp Tissue • Oral Mucosa • Salivary Glands.	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 9, 14 and 15.	

Week 10 - 20 Sep 2021

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

Local Anaesthesia:

- Introduction to local anaesthesia for oral health therapists
- Landmarks for local anaesthesia.

Scheid, R. C., and Weiss, G. (2017) *Woelfel's dental anatomy* (9th edn), Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA. Part 3, Chapter 15.

Week 11 - 27 Sep 2021

Module/Topic	Chapter	Events and Submissions/Topic
Spread of infection in the head and neck:		
<ul style="list-style-type: none"> • How odontogenic infections occur • Abscess, Cellulitis and Osteomyelitis • Spread to maxillary sinuses, vascular system, lymphatic system and tissue spaces. • Signs, Symptoms and complications. 	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 12 - 04 Oct 2021

Module/Topic	Chapter	Events and Submissions/Topic
In-Class test written assessment for week 5 -11.		<p>In-Class test written assessment for week 5 -11. This test is 30% of the final grade and will be conducted in lecture time.</p> <p>In-Class multi-station anatomy test for weeks 1-11. This test is 25% of the final grade.</p> <p>Multistation anatomy test Due: Week 12 Friday (8 Oct 2021) 5:00 pm AEST</p> <p>In-Class Test Due: Week 12 Monday (4 Oct 2021) 5:00 pm AEST</p>

Review/Exam Week - 11 Oct 2021

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

Exam Week - 18 Oct 2021

Module/Topic	Chapter	Events and Submissions/Topic
		Online quiz. Due: Exam Week Friday (22 Oct 2021) 5:00 pm AEST

Assessment Tasks

1 Multistation anatomy test

Assessment Type

In-class Test(s)

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 take part in practical activities. The multistation anatomy test is worth 25% of your overall mark. It consists of one in-class test which will take place in week 12.

The test consists of approximately 35 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 stations will require you to demonstrate a practical task and answer a question verbally.

Assessment Due Date

Week 12 Friday (8 Oct 2021) 5:00 pm AEST

The multistation anatomy test will be scheduled in the last anatomy tutorial session in week 12.

Return Date to Students

Review/Exam Week Wednesday (13 Oct 2021)

Weighting

25%

Minimum mark or grade

50%

Assessment Criteria

The multistation anatomy test is worth 25% of your overall mark. This is a must pass assessment. You must pass this test to pass the unit. 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.

Graduate Attributes

- Communication
- Problem Solving
- Information Literacy
- Team Work
- Ethical practice

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 quiz. Weekly practice questions will help you prepare for the type of questions in this quiz.

The quiz includes approximately 100 matching and multiple-choice questions which are chosen randomly from a bank of questions.

The quiz will be made available in the exam period. You will be advised of the time of day and the time limits.

Number of Quizzes

1

Frequency of Quizzes

Other

Assessment Due Date

Exam Week Friday (22 Oct 2021) 5:00 pm AEST

During the University examination period. Date and time will be advised.

Return Date to Students

Exam Week Friday (22 Oct 2021)

The quiz is marked automatically. Results will display when the quiz closes.

Weighting

25%

Minimum mark or grade

50%

Assessment Criteria

The quiz includes approximately 100 matching and multiple-choice questions which are chosen randomly from a bank of questions. Questions are marked automatically correct or incorrect. This assessment is worth 25% of the total grade for this unit. It 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

- 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

Graduate Attributes

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

3 In-Class Test

Assessment Type

In-class Test(s)

Task Description

You will complete two written In-class tests during allocated lecture time.

The first test will be conducted Monday 9th August 2021 in Week 5 during lecture time. 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 Monday 4th October 2021 in Week 12 during lecture time. The second test will cover learning material in weeks 5-11 and is worth 30% of your final grade.

Both tests will include both short and longer short paragraph questions.

Assessment Due Date

Week 12 Monday (4 Oct 2021) 5:00 pm AEST

The first In-class test is due 5.00pm Monday 9th August ,2021. The second in-class test is due 5.00pm Monday 4th October, 2021.

Return Date to Students

Review/Exam Week Wednesday (13 Oct 2021)

Results of the first test will be returned Monday 23rd August. Results of the second test will be returned in review/exam week.

Weighting

50%

Minimum mark or grade

50%

Assessment Criteria

The first In-Class test is worth 20% and 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 question and answer sheet for both 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

Graduate Attributes

- Communication
- Problem Solving
- Information Literacy

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