



ORAL11005 Oral Anatomy 2

Term 2 - 2022

Profile information current as at 19/09/2024 08:22 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.

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 - 2022

- 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 and student evaluations

Feedback

Students found the first In-class test challenging and asked for more practice and feedback on their answers before they attempted the assessment.

Recommendation

It is recommended that structured guidance be given on the written test, such that the first in-class assessment be conducted at midterm and the second test be conducted at the end of term. It is also recommended that students complete and receive feedback on a short practice test before the first in-class assessment.

Feedback from In-class and student evaluations

Feedback

Students enjoyed the anatomy sessions where they could work in groups and support each other's learning. Students found drawing on the white board in the anatomy tutorial sessions especially useful to better understand concepts and relationships to anatomical landmarks with the supervisor.

Recommendation

It is recommended that group work in the anatomy tutorial sessions continue, and students be encouraged to support each other's learning during activities that includes drawing as a learning tool in oral anatomy.

Feedback from In-class and student evaluations

Feedback

Students appreciated the weekly study guides as the guides outlined what was expected by listing the weekly learning objectives, what was important in the textbook reading for that week, extra reading when the topic was not covered by the textbook and by including an example of written exam style question.

Recommendation

It is recommended that study guides are prepared for each weekly topic and that these are displayed under the Learning Material label as a book resource.

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

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Schedule

Week 1 - 11 Jul 2022

Module/Topic	Chapter	Events and Submissions/Topic
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The Temporomandibular joint (TMJ):

- Anatomy
- Muscles affecting mandibular movement
- Function
- Examination
- TMJ dysfunction.

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 14, pages 411-417 and Chapter 15.

Anatomy Lab practical session

Week 2 - 18 Jul 2022

Module/Topic

Structures of the head and neck relevant to the dental examination:

- The eye
- The ear
- Paranasal sinuses
- Structures of the anterior neck.

Chapter

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.

Events and Submissions/Topic

Week 3 - 25 Jul 2022

Module/Topic

Salivary Glands:

- 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.

Chapter

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.

Events and Submissions/Topic

Anatomy Lab practical session
Practice test for the written In-Class tests.

Week 4 - 01 Aug 2022

Module/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.

Chapter

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.

Events and Submissions/Topic

Anatomy Lab practical session

Week 5 - 08 Aug 2022

Module/Topic

Development and eruption of teeth:

- Development and growth of the teeth
- The process of tooth eruption and shedding
- Sequence of eruption and exfoliation.

Chapter

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.

Events and Submissions/Topic

In-Class test written assessment for weeks 1-4 and will be conducted in lecture time. This test is worth 20% of the final grade.
Anatomy Lab practical session

Vacation Week - 15 Aug 2022

Module/Topic

Chapter

Events and Submissions/Topic

Week 6 - 22 Aug 2022

Module/Topic

Chapter

Events and Submissions/Topic

Microscopic Anatomy 1:	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	Anatomy Lab practical session
<ul style="list-style-type: none"> • Enamel • Dentine. 		

Week 7 - 29 Aug 2022

Module/Topic	Chapter	Events and Submissions/Topic
Microscopic Anatomy 2:	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.	
<ul style="list-style-type: none"> • Alveolar process • Periodontal ligament • Cementum. 		

Week 8 - 05 Sep 2022

Module/Topic	Chapter	Events and Submissions/Topic
Microscopic Anatomy 3:	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.	
<ul style="list-style-type: none"> • Pulp Tissue • Oral Mucosa • Salivary Glands. 		

Week 9 - 12 Sep 2022

Module/Topic	Chapter	Events and Submissions/Topic
Normal structures in patient examination:	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.	
<ul style="list-style-type: none"> • Normal structures for the extra oral examination • Normal structures for the intra-oral examination • Review radiographic landmarks 		

Week 10 - 19 Sep 2022

Module/Topic	Chapter	Events and Submissions/Topic
Local Anaesthesia:	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
<ul style="list-style-type: none"> • Introduction to local anaesthesia for oral health therapists • Landmarks for local anaesthesia. 		Local anaesthesia techniques on the LA manikin.
In-Class test written assessment for week 6 -9. This test is 20% of the final grade and will be conducted in lecture time.		Practice test for the anatomy practical assessment

Week 11 - 26 Sep 2022

Module/Topic	Chapter	Events and Submissions/Topic
Spread of infection in the head and 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.	Anatomy Practical Assessment Due: Week 11 Tuesday (27 Sept 2022) 5:00 pm AEST
<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. 		

Week 12 - 03 Oct 2022

Module/Topic	Chapter	Events and Submissions/Topic
Revision		In-Class test written assessment for weeks 5 - 11. This test is worth 30% of the final grade and will be conducted in lecture time.

Review/Exam Week - 10 Oct 2022

Module/Topic	Chapter	Events and Submissions/Topic
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Module/Topic	Chapter	Events and Submissions/Topic
		Online Quizzes Due: Exam Week Friday (21 Oct 2022) 5:00 pm 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 in-class test which will take place in week 11.

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 stations will require you to demonstrate a practical task and answer a question verbally.

Assessment Due Date

Week 11 Tuesday (27 Sept 2022) 5:00 pm AEST

The multistation anatomy test will be scheduled in the last anatomy tutorial session in week 11.

Return Date to Students

Review/Exam Week Friday (14 Oct 2022)

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.

2 Online Quizzes

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 day and time.

Number of Quizzes

1

Frequency of Quizzes

Other

Assessment Due Date

Exam Week Friday (21 Oct 2022) 5:00 pm AEST

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

Return Date to Students

Exam Week Friday (21 Oct 2022)

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. 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 first test will be conducted 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 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.

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

Assessment Due Date

The first In-class test is due 12.00pm Tuesday 9th August, 2022. The second in-class test is due 12.00pm Tuesday 4th October, 2022.

Return Date to Students

Results of the first test will be returned Tuesday 23rd August, 2022. 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