



ORAL11005 Oral Anatomy 2

Term 2 - 2020

Profile information current as at 08/05/2024 04:47 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 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 - 2020

- Rockhampton

Attendance Requirements

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

Website

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

Class and Assessment Overview

Recommended Student Time Commitment

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

Class Timetable

[Regional Campuses](#)

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

[Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

1. **Online Quiz(zes)**

Weighting: 25%

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

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 'Have Your Say' survey, emails and written feedback following the residential school.

Feedback

Students enjoyed the small group study sessions at residential school in the anatomy tutorial rooms and benefitted from sharing learning experiences with their peers.

Recommendation

Although the unit will not include an intense two-day residential school in 2020, small group study sessions will be scheduled in weekly tutorial sessions.

Feedback from 'Have Your Say' survey, emails and written feedback following the residential school.

Feedback

Students felt they could understand the theory learnt in lectures better when they were able to handle the skulls and models and ask questions of the lecturers and tutors.

Recommendation

Tutorials will follow the lecture each week and provide opportunities for students to work collaboratively and ask questions. In addition, a number of laboratory sessions will be scheduled where students can access a wide range of anatomical models and complete practical tasks.

Feedback from 'Have Your Say' survey and emails

Feedback

Students would like more information and direction on the written examination as there was a lot to learn.

Recommendation

As ORAL11005 and ORAL11004 will undergo unit changes from 2019 to 2020, the final written exams will vary from past exam papers. A discussion on previous exam questions for each topic will be included in each weekly lecture in 2020.

Feedback from 'Have Your Say' survey and emails

Feedback

Student found the microscopic component of this unit challenging to understand.

Recommendation

Lectures on microscopic anatomy of the oral structures will be followed by tutorials in 2020. These weekly tutorial sessions will provide opportunities for students to ask questions and be tested on their understanding of the lecture content.

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 - 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				
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%	•	•		•		•				

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
3 - In-class Test(s) - 50%	•	•		•						

Textbooks and Resources

Textbooks

ORAL11005

Prescribed

Essentials of Oral Histology and Embryology A Clinical Approach

Edition: 5th (2019)

Authors: Daniel J. Chiego, Jr

Mosby, an Imprint of Elsevier Inc

St Louis , Missouri , USA

ISBN: 978-0-323-08256-3

Binding: Paperback

ORAL11005

Prescribed

Woelfel's Dental Anatomy

Edition: 9th (2017)

Authors: Rickne C. Scheid and Gabriela Weiss

Jones and Bartlett Learning (now Cengage Learning)

Philadelphia , Pennsylvan , USA

ISBN: 9781496320223

Binding: Paperback

Additional Textbook Information

Woelfel's Dental Anatomy is also the prescribed textbook for ORAL11004.

If you prefer to study with a paper copy, they are available at the CQUni Bookshop here: <http://bookshop.cqu.edu.au> (search on the Unit code). eBooks are available at the publisher's website.

[View textbooks at the CQUniversity Bookshop](#)

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Webcam and headset for on-line sessions.

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 - 13 Jul 2020

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

Week 2 - 20 Jul 2020

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) Woelfel's dental anatomy, 9th edn, Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA. Part 3, Chapter 15.	

Week 3 - 27 Jul 2020

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) Woelfel's dental anatomy, 9th edn, Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA. Part 3, Chapter 15.	

Week 4 - 03 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Embryology and Microscopic Anatomy <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. 	Daniel J. Chiego, Jr (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 - 10 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
Development and eruption of teeth <ul style="list-style-type: none"> • Development and growth of the teeth • The process of tooth eruption and shedding • Sequence of eruption and exfoliation 	Daniel J. Chiego, Jr (2019) Essentials of Oral Histology and Embryology A Clinical Approach 5th edn, Mosby, an Imprint of Elsevier Inc. St Louis, Missouri, USA. Chapters 5 and 6.	

Vacation Week - 17 Aug 2020

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

Week 6 - 24 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
Intra-Oral and Extra-Oral Examination <ul style="list-style-type: none"> • Normal structures for the extra oral examination • Normal structures for the intra-oral examination • Review radiographic landmarks. 	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 7 - 31 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
Microscopic Anatomy 1 <ul style="list-style-type: none"> • Enamel • Dentine 	Daniel J. Chiego, Jr (2019) Essentials of Oral Histology and Embryology A Clinical Approach 5th edn, Mosby, an Imprint of Elsevier Inc. St Louis, Missouri, USA. Chapters 7 and 8.	

Week 8 - 07 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Microscopic Anatomy 2 <ul style="list-style-type: none"> • Alveolar process • Periodontal ligament • Cementum 	Daniel J. Chiego, Jr (2019) Essentials of Oral Histology and Embryology A Clinical Approach 5th edn, Mosby, an Imprint of Elsevier Inc. St Louis, Missouri, USA. Chapters 10,11 and 12.	

Week 9 - 14 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Microscopic Anatomy 3 <ul style="list-style-type: none"> • Pulp Tissue • Oral Mucosa • Salivary Glands 	Daniel J. Chiego, Jr (2019) Essentials of Oral Histology and Embryology A Clinical Approach 5th edn, Mosby, an Imprint of Elsevier Inc. St Louis, Missouri, USA. Chapters 9, 14 and 15.	

Week 10 - 21 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Local Anaesthesia <ul style="list-style-type: none"> • 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 - 28 Sep 2020

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) Woelfel's dental anatomy, 9th edn, Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA. Part 3, Chapter 15.	

Week 12 - 05 Oct 2020

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

Revision

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.

Station based in-class test Due:
Week 12 Thursday (8 Oct 2020) 5:00
pm AEST

Review/Exam Week - 12 Oct 2020

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

Exam Week - 19 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic
		End of term Online Examination Due: Exam Week Monday (19 Oct 2020) 11:45 pm AEST

Assessment Tasks

1 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 both on-line quizzes.

There will be two separate on-line quizzes to assess your knowledge. Questions include matching and multiple-choice questions.

The number of questions and weighting for each quiz is outlined below.

You are allowed two attempts on each quiz, although it is not compulsory to attempt a second time. The attempt in which you achieve the highest score will be recorded as your final score. Your attempts will be submitted automatically, but no more questions can be answered once the time limit expires.

There is a minimum mark required. You must achieve 50% of the cumulative score of both quizzes.

No attempts are allowed after the quiz is closed. If you are unable to complete the quiz by the due date, you must apply for an extension before the due date.

The first quiz opens Thursday 30th July 8.00am and closes Thursday 13th August 5.00pm. This quiz tests learning material in weeks 1-4. There are 40 questions (maximum). The time limit expires after 25 minutes. You are allowed two attempts. This quiz is worth 10%.

The second quiz opens Thursday 17th September 8.00am and closes Thursday 1st October 5.00pm. This quiz tests learning material in weeks 5-10. There are 60 questions (maximum). The time limit expires after 40minutes. You are allowed two attempts. This quiz is worth 15%.

Number of Quizzes

2

Frequency of Quizzes

Other

Assessment Due Date

See task description above

Return Date to Students

Immediately on closure of the quiz

Weighting

25%

Minimum mark or grade

50%

Assessment Criteria

Questions will be automatically marked correct or incorrect on the completion of the quiz. The maximum accumulated

score for the two on-line quizzes equals 25% of the total unit marks.

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

2 Station based in-class 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 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 practical assessment of your knowledge 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 60 numbered stations and will take 90 minutes in duration. Stations will include anatomical models, teeth, charts, photographs or radiographs. You will be asked to correctly name, identify or briefly describe the function of the structure, or identify the blood supply, nerve supply and lymphatics. Stations may include practical demonstrations and oral exam questions.

Assessment Due Date

Week 12 Thursday (8 Oct 2020) 5:00 pm AEST

Return Date to Students

Review/Exam Week Thursday (15 Oct 2020)

Weighting

25%

Minimum mark or grade

50%

Assessment Criteria

The test will be assessed by the following criteria:

- Correctly identify anatomical features
- Demonstrate understanding of the normal anatomy and function of the facial and oral structures
- Correct spelling
- Correct use of anatomical terminology.

Referencing Style

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

Submission

Offline 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

- 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

3 End of term Online Examination

Assessment Type

In-class Test(s)

Task Description

An end of term written examination will be submitted online. In this assessment you will be asked to describe the normal anatomy and function of the facial and oral structures.

Assessment Due Date

Exam Week Monday (19 Oct 2020) 11:45 pm AEST

Date and time for the end of term will be advised in the university examination timetable.

Return Date to Students

Results will be returned to students with end of term results.

Weighting

50%

Minimum mark or grade

50%

Assessment Criteria

The end of term written examination online covers content studied within weeks 1-12.

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

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