



# ORAL11004 Oral Anatomy

## Term 2 - 2018

Profile information current as at 17/05/2024 11:17 am

All details in this unit profile for ORAL11004 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

In this unit you will develop an understanding of the anatomy and physiology relevant to the oral cavity and the practice of an Oral Health Therapist. This unit will cover the following topics: surface anatomy, bones, muscles, blood vessels, nerves and lymphatics of the head and neck. It will include structures related to the oral cavity such as paranasal sinuses, temporo mandibular joint and salivary glands. This unit will provide you with the foundation knowledge required to administer local anaesthesia in oral health therapy practice and to conduct a dental examination of the extra oral and intra oral features. You will be familiarised with normal radiographic appearance of oral structures in preparation for second year clinical practice and studies in orthodontics. You will develop an understanding of the healthy oral biological and biochemical environment and the importance of saliva. This unit is offered in conjunction with ORAL11003 Oral Pathology and Diagnosis. The knowledge of this unit will support your study of pathology in the head and neck region. You are required to attend the compulsory residential school.

#### 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 in CB29 Oral Health Course to enrol in this unit. Prerequisite: BIOH11005

Introductory Anatomy and Physiology Anti-requisite: Students must not be enrolled in the unit ORAL11002 as this unit replaces part of the content of ORAL11002.

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 - 2018

- Distance
- 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).

#### Residential Schools

This unit has a Compulsory Residential School for distance mode students and the details are:

Click here to see your [Residential School Timetable](#).

#### 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: 20%

#### 2. **Practical and Written Assessment**

Weighting: 30%

#### 3. **Examination**

Weighting: 50%

### Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

## CQUniversity Policies

**All University policies are available on the [CQUniversity Policy site](#).**

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

## Previous Student Feedback

### Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

#### Feedback from In class

##### Feedback

Students found the last few weeks of the term stressful. Assignments for two other ORAL Units were due at the same time and a number of students had a clinical placement to complete in ORAL11003.

##### Recommendation

Weekly lectures in the first half of term prepare the students for the residential school so the content is necessarily heavy in the first 6 weeks and not as heavy in the second part of term. Because there is less content in the second half of term, there is scope to combine some weeks and allow students time to revise and complete assessment tasks without the addition of new learning material in the last week of term.

#### Feedback from In class and student evaluations

##### Feedback

Students enjoyed the hands-on tasks with anatomy models at residential school. The residential school helped the students to learn about oral anatomy.

##### Recommendation

The residential school will continue to be a part of this unit.

#### Feedback from In class and student evaluations

##### Feedback

Student would like more visual information in the lectures- less words, more pictures and diagrams.

##### Recommendation

Pictures and diagrams are important in the study of anatomy, so lectures will continue to focus on visual information. Lectures will include more use of the document camera for drawings and demonstrations with models.

## Unit Learning Outcomes

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

1. Describe the embryological development of the head and neck with relevance to the oral cavity and the developing face, dentition and occlusion.
2. Identify and describe anatomical and physiological features of the head and neck with particular relevance to the oral cavity.
3. Describe the features of a healthy oral biological and biochemical environment and discuss the importance of saliva.
4. Communicate information regarding oral health in oral and written forms.
5. Satisfy the requirements of an evolving dental practitioner utilising appropriate interpersonal / team communication skills, professional attitudes and ethical behaviours.

All unit profiles in the Bachelor of Oral Health are made available to the Australian Dental Council for on-going accreditation purposes.

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
1 - In-class Test(s) - 20%		•		•	•
2 - Practical and Written Assessment - 30%	•	•		•	•
3 - Examination - 50%	•	•	•	•	•

## Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
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) - 20%	•	•	•	•	•	•	•	•		
2 - Practical and Written Assessment - 30%	•	•	•	•	•	•	•	•		
3 - Examination - 50%	•	•	•	•		•				

## Textbooks and Resources

### Textbooks

ORAL11004

#### Prescribed

##### Woelfel's Dental Anatomy

Ninth Edition (2017)

Authors: Rickne C. Scheid and Gabriela Weiss

Wolters Kluwer Health / Lippincott Williams and Wilkins

Philadelphia , Pennsylvania , USA

ISBN: 9781496320223

Binding: Paperback

#### Additional Textbook Information

Woelfel's Dental Anatomy is the prescribed textbook for ORAL11005 (a co-requisite unit for ORAL11004)

[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:**

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)
- [Harvard \(author-date\)](#)

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 - 09 Jul 2018

Module/Topic	Chapter	Events and Submissions/Topic
Anatomy of the Head and Neck: <ul style="list-style-type: none"><li>• Introduction to head and neck anatomy</li><li>• Osteology of the head and neck.</li></ul>	Scheid and Weiss 9th Edition, Chapter 14. Pages 391-417.	Formative On-line Quiz.

### Week 2 - 16 Jul 2018

Module/Topic	Chapter	Events and Submissions/Topic
Muscles of the Head and Neck: <ul style="list-style-type: none"><li>• Muscles of mastication</li><li>• Muscles of facial expression</li><li>• Triangles and muscles of the neck.</li></ul>	Scheid and Weiss 9th Edition, Chapter 14. Pages 418- 427.	Formative On-line Quiz.

**Week 3 - 23 Jul 2018**

Module/Topic	Chapter	Events and Submissions/Topic
Nerve supply of the head and neck.	Scheid and Weiss 9th Edition, Chapter 14 Pages 428-439.	Formative On-line Quiz.

**Week 4 - 30 Jul 2018**

Module/Topic	Chapter	Events and Submissions/Topic
Blood vessels and lymphatics of the head and neck.	Scheid and Weiss 9th Edition. Chapter 14 Pages 440-445.	Formative On-line Quiz.

**Week 5 - 06 Aug 2018**

Module/Topic	Chapter	Events and Submissions/Topic
The Temporomandibular joint (TMJ): <ul style="list-style-type: none"> <li>• Anatomy</li> <li>• Muscles affecting mandibular movement</li> <li>• Function</li> <li>• TMJ dysfunction.</li> </ul>	Scheid and Weiss 9th Edition. Chapter 9 and Chapter 14.	Formative On-line Quiz.

**Vacation Week - 13 Aug 2018**

Module/Topic	Chapter	Events and Submissions/Topic
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**Week 6 - 20 Aug 2018**

Module/Topic	Chapter	Events and Submissions/Topic
Oral Examination and landmarks for Local Anaesthesia: <ul style="list-style-type: none"> <li>• Normal structures for the extra oral examination</li> <li>• Normal structures for the intra-oral examination</li> <li>• Introduction to local anaesthesia for oral health therapists</li> <li>• Landmarks for Local Anaesthesia</li> <li>• Radiographic landmarks (lecture at residential school).</li> </ul>	Scheid and Weiss 9th Edition. Chapter 15.	Formative On-line Quiz.

**Week 7 - 27 Aug 2018**

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>	Scheid and Weiss 9th Edition. Chapter 15	Formative On-line Quiz.

**Week 8 - 03 Sep 2018**

Module/Topic	Chapter	Events and Submissions/Topic
Two-day compulsory Residential School: Anatomy practical examination OSCE Introduction to local anaesthesia landmarks and technique on LA simulator. Radiographic examination lecture Practical Anatomy tutorials.	Scheid and Weiss 9th Edition, Chapter 9,14 and 15.	<b>In-class Test</b> Due: Week 8 Monday (3 Sept 2018) 5:00 pm AEST

**Week 9 - 10 Sep 2018**

Module/Topic	Chapter	Events and Submissions/Topic
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Structures of the head and neck relevant to the dental examination:

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

Scheid and Weiss 9th Edition. Chapter 15.

Formative On-line Quiz.

### Week 10 - 17 Sep 2018

Module/Topic	Chapter	Events and Submissions/Topic
Spread of infection in the head and neck:		
• Odontogenic infection		
• Abscess, Cellulitis and Osteomyelitis	Scheid and Weiss 9th Edition. Chapter 15.	Formative On-line Quiz.
• Spread to maxillary sinuses		
• Spread by vascular system		
• Spread by lymphatic system		
• Spread by spaces.		

### Week 11 - 24 Sep 2018

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Embryology:		
• Introduction to embryology	Chiego (2019) Chapters 1-4 and Bird and Robinson (2018) Chapter 8. These are required textbooks for ORAL11005 (co requisite unit) and ORAL11001. Additional resources on Moodle.	Formative On-line Quiz.
• Development of the face, oral cavity and palate.		<b>Practical and Written Assessment</b> Due: Week 11 Monday (24 Sept 2018) 5:00 pm AEST

### Week 12 - 01 Oct 2018

Module/Topic	Chapter	Events and Submissions/Topic
Revision Week		

### Review/Exam Week - 08 Oct 2018

Module/Topic	Chapter	Events and Submissions/Topic
Revision week		

### Exam Week - 15 Oct 2018

Module/Topic	Chapter	Events and Submissions/Topic
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## Term Specific Information

ORAL11005 Dental Morphology and Microscopic Anatomy is a co-requisite unit for ORAL11005. The required textbook for ORAL11005 ( Essentials of Oral Histology and Embryology: A Clinical Approach by Daniel J. Chiego, Jr. Fifth Edition) will be used as a reference text for this unit.

## Assessment Tasks

### 1 In-class Test

#### Assessment Type

In-class Test(s)

#### Task Description

For this assessment you will be asked to complete one Objective Structured Clinical Examination. This test will take place during the compulsory residential school. There will be numbered stations with a range of anatomical models, skulls, radiographs and pictures. You will move from station to station at timed intervals and answer questions at each station. You will be required to identify anatomical landmarks of the head and neck. All questions have clinical applications for Oral Health Therapy practice.

#### Assessment Due Date

Week 8 Monday (3 Sept 2018) 5:00 pm AEST

**Return Date to Students**

Week 10 Monday (17 Sept 2018)

Feedback will be given after students have completed the OSCE Monday 3rd September 2018

**Weighting**

20%

**Minimum mark or grade**

50%

**Assessment Criteria**

The percentage of your final mark is 20%.

You must obtain a mark of at least 50% in order to pass this assessment. You must pass this assessment to pass this unit overall.

The assessment will be conducted under examination conditions and will be a closed book examination.

The assessment will be conducted during the compulsory residential school on Monday 3rd September . Feedback will be given directly after the assessments.

**Referencing Style**

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)
- [Harvard \(author-date\)](#)

**Submission**

Offline

**Learning Outcomes Assessed**

- Identify and describe anatomical and physiological features of the head and neck with particular relevance to the oral cavity.
- Communicate information regarding oral health in oral and written forms.
- Satisfy the requirements of an evolving dental practitioner utilising appropriate interpersonal / team communication skills, professional attitudes and ethical behaviours.

**Graduate Attributes**

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Team Work
- Information Technology Competence
- Cross Cultural Competence
- Ethical practice

## 2 Practical and Written Assessment

**Assessment Type**

Practical and Written Assessment

**Task Description**

Written and practical tasks are outlined in the Workbook for this Unit. The practical component will be completed at residential school. The written assignment will be completed after residential school.

For the practical component you will be required to work in small groups and rotate through a number of tutorial stations. At each station you will be asked to answer questions in the workbook and complete a check list of anatomical features you have identified. The stations include identification of landmarks anatomical models and simulation of local anaesthesia on a manikin.

The written component will be a series of short answer questions on topics covered in weeks 8-12. The questions are designed to encourage students to look further than the textbook and research the answers. All questions will have clinical applications.

**Assessment Due Date**

Week 11 Monday (24 Sept 2018) 5:00 pm AEST

The workbook must be submitted on the last day of Residential School 3rd September 2018. Written short answers must be submitted by Monday 24th September 2018.

**Return Date to Students**

Week 12 Friday (5 Oct 2018)

Workbooks will be returned at the end of Week 8.



**Weighting**

30%

**Minimum mark or grade**

50%

**Assessment Criteria**

The combined total of the Practical and Written assessment is worth 30% of your final grade.

Completion of the tutorials at residential school and submission of the workbook is worth 10%. All questions and tables exercises must be completed and the workbook must be submitted on the last day of Residential school.

The written assignment is worth 20% and due Monday 25th September in Week 11. The word limit for this assignment is 1500 words. Referencing is required. (APA or Harvard)

Assessment tasks submitted after the due date where an extension was not requested or where sound reasons were not given by the student for a late request are deducted a penalty of five per cent or equivalent of the total available marks for the assessment for each calendar day (full or part) it is overdue.

**Referencing Style**

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)
- [Harvard \(author-date\)](#)

**Submission**

Offline Online

**Submission Instructions**

The written assignment must be submitted in-line. The workbook must be submitted in hard copy at completion of the residential school.

**Learning Outcomes Assessed**

- Describe the embryological development of the head and neck with relevance to the oral cavity and the developing face, dentition and occlusion.
- Identify and describe anatomical and physiological features of the head and neck with particular relevance to the oral cavity.
- Communicate information regarding oral health in oral and written forms.
- Satisfy the requirements of an evolving dental practitioner utilising appropriate interpersonal / team communication skills, professional attitudes and ethical behaviours.

**Graduate Attributes**

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Team Work
- Information Technology Competence
- Cross Cultural Competence
- Ethical practice

**Examination****Outline**

Complete an invigilated examination.

**Date**

During the examination period at a CQUniversity examination centre.

**Weighting**

50%

**Length**

180 minutes

**Minimum mark or grade**

50%

**Exam Conditions**

Closed Book.

**Materials**

Dictionary - non-electronic, concise, direct translation only (dictionary must not contain any notes or comments).

## 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