



ORAL11004 Oral Anatomy

Term 2 - 2019

Profile information current as at 20/04/2024 12:03 pm

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 practice of an Oral Health Therapist. In this unit you will cover the following head and neck anatomy topics: surface anatomy, bones, muscles, blood vessels, nerves, lymphatics and spread of infection. Included in your study will be structures related to the oral cavity such as, paranasal sinuses, temporomandibular 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.

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: SCIE11022 Introductory Science.

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 - 2019

- Mixed Mode
- 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: 25%

2. **Online Quiz(zes)**

Weighting: 25%

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 At residential school and email

Feedback

Students reported that the best aspects of this unit was the residential school. Student enjoyed the tutorial-like exercises, engagement, and the time they had to spend with the teachers in at each of the stations. The student were appreciative of being able to see, touch and feel where certain parts of the bones, muscles and foramina were, really helped to increase their knowledge of the subject and consolidate their learning for the first 6-7 weeks.

Recommendation

It is recommendation that the residential school will remain in a similar format for 2019.

Feedback from Student evaluations and email

Feedback

Student's expectations of a distance unit were that all content (lecture recordings, as well as all support learning material) would be available for the week on the Monday. Students felt they were being disadvantaged and a week behind schedule because lecture recordings were only available at the end of the week following the lecture. Students were not happy that lectures were timetabled on Thursday mornings.

Recommendation

Learning resources will be available at the beginning of each week and steps will be taken to schedule the lecture early in the week. If students wish to view the recorded lectures before the scheduled time, a copy of the previous year's recording will be included on a separate page on Moodle.

Feedback from Student evaluations and email

Feedback

Students appreciated the extra support for study including learning guides, quizzes, sample questions, tutorials access to online anatomy study tools such as An@tomedia from CQUniversity library.

Recommendation

The unit will continue to provide a range of support material to meet the needs of different learning styles. The quizzes will be revised to include more questions and more feedback. Tutorials activities will be included to encourage active learning and will be revised and expanded in 2019. Students will be encouraged to make to most of the resources such as An@tomedia, through CQUniversity library. Examples of exam questions, highlighting the content and the depth of learning expected, will continue in 2019.

Feedback from Student evaluations and Email

Feedback

Students viewed the written assignment both positively and negatively. Some students appreciated the learning experience of the written assessment as they gained a better understanding of topics when researching and formulating their own thoughts, compared to preparing for exams. On the negative side, students were concerned about the increase in work load and felt that feedback given for assignments was too generic and did not give much individual insight to their learning.

Recommendation

While the written assignment had many benefits, it was recognized that the assignment added significantly to students' work load and covered only a small, but interesting, part of the unit content. Assessments for 2019 inORAL11004 will be modified. The written assignment will no longer be part of this unit and will be replaced by on-line quizzes. The assignment topics and content will be included in the weekly learning material and assessed by other methods.

Unit Learning Outcomes

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

1. Identify anatomical features of the head and neck with particular relevance to the oral cavity
2. Describe the anatomy and physiology of the oral cavity with particular emphasis on the innervation of the oral structures, spread of infection, blood supply, temporomandibular joint and salivary glands
3. Describe the embryological development of the head and neck with relevance to the oral cavity and the developing face and dentitions
4. Demonstrate appropriate oral and written communication skills, professional attitudes and ethical behaviours as required of an Oral Health Therapist.

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
1 - In-class Test(s) - 25%	•			•
2 - Online Quiz(zes) - 25%		•	•	
3 - Examination - 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	•			•

Graduate Attributes

Learning Outcomes

1 2 3 4

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 - Examination - 50%

Textbooks and Resources

Textbooks

ORAL11004

Prescribed

Woelfel's Dental Anatomy

Edition: 9th (2017)

Authors: Rickne C. Scheid and Gabriela Weiss

Wolters Kluwer Health / Lippincott Williams and Wilkins

Philadelphia , Pennsylvania , USA

ISBN: ISBN: 9781496320223

Binding: Paperback

[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

Schedule

Week 1 - 15 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
Anatomy of the Head and Neck: <ul style="list-style-type: none">• Review anatomical terms• Introduction to head and neck anatomy• Review surface anatomy of the head and neck (Term1 ORAL11001)• Osteology of the head and neck.	Scheid, RC & Weiss, G 2017, <i>Woelfel's Dental Anatomy</i> 9th Edn, Wolters Kluwer Health / Lippincott Williams and Wilkins Philadelphia, Pennsylvania, USA. Chapter 14 Pages 391-417.	

Week 2 - 22 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
Muscles of the Head and Neck <ul style="list-style-type: none">• Review of muscles and nomenclature• Muscles of mastication• Muscles which assist mastication and affect the position of the temporomandibular joint• Muscles of facial expression• Muscles of the neck• Regions of the neck	Scheid, RC & Weiss, G 2017, <i>Woelfel's Dental Anatomy</i> 9th Edn, Wolters Kluwer Health / Lippincott Williams and Wilkins Philadelphia, Pennsylvania, USA. Chapter 14 Pages 418-427.	

Week 3 - 29 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
Nerve supply of the head and neck: <ul style="list-style-type: none">• Review general structure and function of the nervous system• Cranial nerves• Cranial nerves relevant to dental treatment (trigeminal, facial, glossopharyngeal and hypoglossal)• Innervation of oral structures	Scheid, RC & Weiss, G 2017, <i>Woelfel's Dental Anatomy</i> 9th Edn, Wolters Kluwer Health / Lippincott Williams and Wilkins Philadelphia, Pennsylvania, USA. Chapter 14 Pages 428-439.	

Week 4 - 05 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
Blood Vessels and Lymphatics of the Head and Neck: <ul style="list-style-type: none">• Review the vascular system of the body• Arterial blood supply• Venous drainage• Review the lymphatic system of the body• Head, face and cervical lymph node drainage.	Scheid, RC & Weiss, G 2017, <i>Woelfel's Dental Anatomy</i> 9th Edn, Wolters Kluwer Health / Lippincott Williams and Wilkins Philadelphia, Pennsylvania, USA. Chapter 14. Pages 440-445.	First Assessment Quiz

Week 5 - 12 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
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The Temporomandibular joint (TMJ)	Scheid, RC & Weiss, G 2017, <i>Woelfel's Dental Anatomy</i> 9th Edn, Wolters Kluwer Health / Lippincott Williams and Wilkins Philadelphia, Pennsylvania, USA.
<ul style="list-style-type: none"> • Anatomy • Muscles affecting mandibular movement • Function • TMJ dysfunction 	Chapter 14. Pages 411-417.

Vacation Week - 19 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Week 6 - 26 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Oral Examination and landmarks for Local Anaesthesia:

- Normal structures for the extra oral examination
- Normal structures for the intra-oral examination
- Introduction to local anaesthesia for oral health therapists
- Landmarks for local anaesthesia
- Radiographic landmarks

Scheid, RC & Weiss, G 2017, *Woelfel's Dental Anatomy* 9th Edn, Wolters Kluwer Health / Lippincott Williams and Wilkins Philadelphia, Pennsylvania, USA.
Chapter 15.

Week 7 - 02 Sep 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Residential School:

- Anatomy multi-station practical examination (In-Class test)
- Introduction to local anaesthesia landmarks and technique on LA simulator.
- Radiographic examination lecture
- Practical anatomy tutorials.

Scheid, RC & Weiss, G 2017, *Woelfel's Dental Anatomy* 9th Edn, Wolters Kluwer Health / Lippincott Williams and Wilkins Philadelphia, Pennsylvania, USA.
Chapters 14 and 15.

Residential School 1st-2nd September 2019 Rockhampton Campus. Anatomy tutorials and In-Class test.

In-Class Test Due: Week 7 Monday (2 Sept 2019) 5:00 pm AEST

Week 8 - 09 Sep 2019

Module/Topic	Chapter	Events and Submissions/Topic
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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

Scheid, RC & Weiss, G 2017, *Woelfel's Dental Anatomy* 9th Edn, Wolters Kluwer Health / Lippincott Williams and Wilkins Philadelphia, Pennsylvania, USA.
Chapter 15.

Week 9 - 16 Sep 2019

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, RC & Weiss, G 2017, *Woelfel's Dental Anatomy* 9th Edn, Wolters Kluwer Health / Lippincott Williams and Wilkins Philadelphia, Pennsylvania, USA.
Chapter 15.

Week 10 - 23 Sep 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Spread of infection in the head and neck:

- Odontogenic infection
- Abscess, Cellulitis and Osteomyelitis
- Spread to maxillary sinuses
- Spread by vascular system
- Spread by lymphatic system
- Spread by spaces.

Resources on Moodle.
Scheid, RC & Weiss, G 2017, *Woelfel's Dental Anatomy* 9th Edn, Wolters Kluwer Health / Lippincott Williams and Wilkins Philadelphia, Pennsylvania, USA.
Chapter 15.

Week 11 - 30 Sep 2019

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Embryology: • Introduction to embryology • Development of the face, oral cavity and palate.	Chiego, DJ 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 1-4. Bird, DL & Robinson, DS. 2018. <i>Modern Dental Assisting</i> 12th Edn. Elsevier, St Louis, Missouri, USA Chapter 8.	Second Assessment Quiz

Week 12 - 07 Oct 2019

Module/Topic	Chapter	Events and Submissions/Topic
Revision	Scheid, RC & Weiss, G 2017, <i>Woelfel's Dental Anatomy</i> 9th Edn, Wolters Kluwer Health / Lippincott Williams and Wilkins Philadelphia, Pennsylvania, USA. Chapter 14 and 15.	Online quizzes Due: Week 12 Friday (11 Oct 2019) 5:00 pm AEST

Review/Exam Week - 14 Oct 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Exam Week - 21 Oct 2019

Module/Topic	Chapter	Events and Submissions/Topic
		Final Written Examination.

Term Specific Information

ORAL11005 Dental Morphology and Microscopic Anatomy is a co-requisite unit for ORAL11004. The required textbook for ORAL11005 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 a multi-station In-Class test 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 at each station. The knowledge assessed in this in-class test is essential to the practice of an Oral Health Therapist. All questions included in this test have clinical applications.

Assessment Due Date

Week 7 Monday (2 Sept 2019) 5:00 pm AEST

The test will take place on the last day of the compulsory residential school.

Return Date to Students

Week 8 Friday (13 Sept 2019)

Feedback on the correct answers will be given following the test.

Weighting

25%

Assessment Criteria

The percentage of your final mark is 25%.

You must complete this assessment to pass the unit.

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

This is a written test where you will be asked to name and identify anatomical landmarks and features at multiple stations within a time limit.

The assessment will be conducted during the compulsory residential school on Monday 2nd September.

Feedback will be given directly after the test.

Referencing Style

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

Submission

Offline

Learning Outcomes Assessed

- Identify anatomical features of the head and neck with particular relevance to the oral cavity
- Demonstrate appropriate oral and written communication skills, professional attitudes and ethical behaviours as required of an Oral Health Therapist.

Graduate Attributes

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

2 Online quizzes

Assessment Type

Online Quiz(zes)

Task Description

There will be two separate quizzes to assess your knowledge of head and neck anatomy with a focus on terminology.

The quizzes include questions from weekly formative quizzes and new questions in multiple choice and matching formats. As preparation for the assessment quizzes you are strongly encouraged to complete weekly formative quizzes.

The first assessment quiz will include 40 questions. This quiz is worth 10% and will open at the beginning of week four.

The second assessment quiz will have 60 questions. This quiz is worth 15% and will open at the beginning of week eleven.

Both quizzes will close 5.00 pm Friday 11th October 2019.

Number of Quizzes

2

Frequency of Quizzes

Other

Assessment Due Date

Week 12 Friday (11 Oct 2019) 5:00 pm AEST

Return Date to Students

Week 12 Friday (11 Oct 2019)

Feedback will be given directly after the quizzes are closed.

Weighting

25%

Minimum mark or grade

50%

Assessment Criteria

The percentage of your final mark is 25%.

You must complete both quizzes to pass the unit.

The quizzes may be conducted with open-books.

The quizzes are completed on-line in Moodle within a time limit.

Feedback will be given directly after the quizzes are closed. Questions will be automatically marked correct or incorrect.

The maximum score (25) that can be accumulated from the two online quizzes equals 25% of the total marks. The 50% minimum mark requirement is on the cumulative score of the two quizzes.

Referencing Style

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

Submission

Online

Submission Instructions

Quizzes will be completed online through the unit Moodle site.

Learning Outcomes Assessed

- Describe the anatomy and physiology of the oral cavity with particular emphasis on the innervation of the oral structures, spread of infection, blood supply, temporomandibular joint and salivary glands
- Describe the embryological development of the head and neck with relevance to the oral cavity and the developing face and dentitions

Graduate Attributes

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

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