



ORAL11004 Oral Anatomy 1

Term 1 - 2024

Profile information current as at 29/07/2024 03:15 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

This unit introduces key topics in oral anatomy, which will enable you to begin preclinical training in term 2, and will form the foundations for clinical practice. In the first half of this unit you will study morphology of teeth, sequence of eruption and basic occlusion. The study of distinct features and traits of teeth will enable you to identify and examine teeth, as well as develop an awareness of root morphology required for primary tooth extractions and periodontal treatment for the adult dentition. The study of the sequence of eruption and exfoliation will develop your understanding of the changes with age from infancy to adulthood. This knowledge and understanding will also enable you to predict changes in the dentition with age and identify abnormalities in the eruption sequence. The study of dental morphology and occlusion will provide you with an understanding of tooth shape and function that applies to the restoration of natural tooth form. The second half of this unit will introduce you to anatomy of the head and neck, including surface anatomy, bones, muscles, blood vessels, nerves and lymphatics. Applications of this knowledge, in patient examination and local anaesthesia, will be developed further in ORAL11005 Oral Anatomy 2 in term 2.

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. Corequisite: ORAL11001 Introduction to Oral Health Therapy

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 1 - 2024

- Rockhampton

Attendance Requirements

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

Website

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

Class and Assessment Overview

Recommended Student Time Commitment

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

Class Timetable

[Regional Campuses](#)

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

[Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

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

Weighting: 35%

2. **Online Quiz(zes)**

Weighting: 25%

3. **Online Test**

Weighting: 40%

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 Email and in class

Feedback

A small number of students reported difficulty understanding anatomical terminology which contributed to difficulties in understanding questions in assessments.

Recommendation

It is recommended to develop and implement additional strategies to improve student's knowledge, use and understanding of anatomical terminology.

Feedback from In class

Feedback

Students responded positively to improved resources (models) for teaching dental morphology, head and neck anatomy and nerve supply for the oral cavity.

Recommendation

It is recommended that further resources are created and developed to assist teaching in dental morphology and head and neck anatomy.

Feedback from In class

Feedback

Students responded positively to an additional supervisor in the anatomy practical sessions to answer questions and give assistance in the practical tasks. Student's performance in the multistation anatomy tests improved

Recommendation

It is recommended that the current ratio of students to supervisors be maintained.

Unit Learning Outcomes

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

1. Identify and name teeth in the human dentitions and anatomical features of the head and neck
2. Describe the anatomy of the head and neck relevant to the function of the oral cavity
3. Describe features and traits of teeth in the human dentitions, as well as normal sequence of eruption and exfoliation, and occlusion
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) - 35% | • | | | • |
| 2 - Online Quiz(zes) - 25% | | • | • | |
| 3 - Online Test - 40% | | • | • | |

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

ORAL11004

Prescribed

Woelfel's Dental Anatomy, Enhanced Edition

9th Edition (2017)

Authors: Rickne C. Scheid and Gabriela Weiss

Jones & Bartlett Learning

Philadelphia, PA, USA

ISBN: ISBN:9781284218244

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:

- [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 - 04 Mar 2024

| Module/Topic | Chapter | Events and Submissions/Topic |
|---|--|------------------------------|
| Introduction to Oral Anatomy: <ul style="list-style-type: none">• Basic terminology for anatomy• Bones of the head and neck• Surface anatomy of the head and neck and oral cavity• Introduction to the dentitions and periodontium• Introduction to dental charting and notation. | Scheid, R. C., and Weiss, G. (2017) <i>Woelfel's dental anatomy</i> (9th ed.,) Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA. Chapter 1. Robinson, D. S. (2023) <i>Modern dental assisting</i> (14th ed.,) Elsevier. St Louis, Missouri, USA. Part 2. Chapters 9 and 10. | |

Week 2 - 11 Mar 2024

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

| | | |
|---|--|--|
| <p>Dental Morphology:</p> <ul style="list-style-type: none"> • Introduction to dental morphology • Basic terminology to describe tooth morphology • Dental notation. | <p>Scheid, R. C., and Weiss, G. (2017) <i>Woelfel's dental anatomy</i> (9th ed.,) Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA. Part 1, Chapters 1 and 13.</p> <p>Robinson, D. S. (2023) <i>Modern dental assisting</i> (14th ed.,) Elsevier. St Louis, Missouri, USA. Part 2, Chapters 11 and 12.</p> | <p>Dental morphology practical class</p> |
|---|--|--|

Week 3 - 18 Mar 2024

| Module/Topic | Chapter | Events and Submissions/Topic |
|---|---|--|
| <p>Morphology of the Permanent Teeth:</p> <ul style="list-style-type: none"> • Permanent incisors • Permanent canines • Permanent premolars • Permanent molars. | <p>Scheid, R. C., and Weiss, G. (2017) <i>Woelfel's dental anatomy</i> (9th ed.,) Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA. Part 1, Chapters 1-5 and 13.</p> <p>Robinson, D. S. (2023) <i>Modern dental assisting</i> (14th ed.,) Elsevier. St Louis, Missouri, USA. Part 2, Chapter 12</p> | <p>Dental morphology practical class</p> |

Week 4 - 25 Mar 2024

| Module/Topic | Chapter | Events and Submissions/Topic |
|---|--|--|
| <p>Morphology of Teeth in the Primary Dentition:</p> <ul style="list-style-type: none"> • Incisors • Canines • Molars. | <p>Scheid, R. C., and Weiss, G. (2017) <i>Woelfel's dental anatomy</i> (9th ed.,) Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA. Part 1, Chapter 6.</p> <p>Robinson, D. S. (2023) <i>Modern dental assisting</i> (14th ed.,) Elsevier. St Louis, Missouri, USA. Chapter 12.</p> | <p>Dental morphology practical class. Online Quiz A opens</p> |

Week 5 - 01 Apr 2024

| Module/Topic | Chapter | Events and Submissions/Topic |
|--|--|---|
| <p>Periodontal Anatomy for Permanent Teeth and Dental Anomalies:</p> <ul style="list-style-type: none"> • Anatomy of the periodontium, clinical appearance and morphology • Variations in number of teeth • Variations in crown and root morphology • Abnormalities of enamel and dentine. | <p>Scheid, R. C., and Weiss, G. (2017) <i>Woelfel's dental anatomy</i> (9th ed.,) Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA. Part 2, Chapters 7 and 11.</p> | <p>Multistation In-Class test for Dental Morphology Online Quiz A closes</p> |

Vacation Week - 08 Apr 2024

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

Week 6 - 15 Apr 2024

| Module/Topic | Chapter | Events and Submissions/Topic |
|--|---|--|
| <p>Introduction to Occlusion:</p> <ul style="list-style-type: none"> • Features of the ideal occlusion • Terminology to describe tooth positions • Movements of the mandible • Angle's classification of malocclusions • Dental and skeletal malocclusions. | <p>Scheid, R. C., and Weiss, G. (2017) <i>Woelfel's dental anatomy</i> (9th ed.,) Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA. Part 2, Chapter 9</p> | <p>Dental occlusion and head and neck anatomy practical class.</p> |

Week 7 - 22 Apr 2024

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

| | | |
|---|---|--|
| Introduction to Head and Neck Anatomy: <ul style="list-style-type: none"> Review anatomical terms Introduction to head and neck anatomy Bones of 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 14. | Head and neck anatomy practical class. |
|---|---|--|

Week 8 - 29 Apr 2024

| 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 Anatomical divisions of the 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 14. | |

Week 9 - 06 May 2024

| 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, R. C., and Weiss, G. (2017) <i>Woelfel's dental anatomy</i> (9th edn.,) Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA . Part 3, Chapter 14. | Head and neck anatomy practical class. |

Week 10 - 13 May 2024

| 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, R. C., and Weiss, G. (2017) <i>Woelfel's dental anatomy</i> (9th edn.,) Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA . Part 3, Chapter 14. | Head and neck anatomy practical class. Online Quiz B opens |

Week 11 - 20 May 2024

| Module/Topic | Chapter | Events and Submissions/Topic |
|--|---|------------------------------|
| Radiographic landmarks <ul style="list-style-type: none"> Radiographic techniques and images produced Radiographic landmarks, Intra-oral and Extra-oral images. | Scheid, R. C., and Weiss, G. (2017) <i>Woelfel's dental anatomy</i> (9th edn.,) Wolters Kluwer Health/Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, USA. Part 3, Chapter 14. Robinson, D. S. (2023) <i>Modern dental assisting</i> (14th ed.,) Elsevier. St Louis, Missouri, USA. Part 8, Chapters 41 and 42. | |

Week 12 - 27 May 2024

| Module/Topic | Chapter | Events and Submissions/Topic |
|---|---------|---|
| Revision Preparation for In-class test and Online assessment | | Multistation In-Class test for Head and Neck Anatomy, including Dental Occlusion. Online Quiz B closes |

Review/Exam Week - 03 Jun 2024

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

Exam Week - 10 Jun 2024

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------|---------|---|
| | | Online test Due: Exam Week Thursday (13 June 2024) 11:45 pm AEST |

Assessment Tasks

1 Multistation anatomy tests

Assessment Type

In-class Test(s)

Task Description

You will complete two tests to assess your knowledge of anatomy. The first test will take place in week 5 and is worth 15%. The second test will take place in week 12 and is worth 20%. Each test will take approximately 1 hour. The tests will consist of numbered stations set up around a room. You will move from station to station at timed intervals answering questions at each station. At each station there will be a model, tooth or image that you will be asked a question about. The questions are not multiple choice. Most questions will ask you to correctly identify or name a structure and some questions will relate to functions. You may be asked to draw a simple diagram. You will be given an answer sheet on which to write or draw your answers. You will require pens and photo identification for this assessment. No textbooks or other written material will be allowed in the examination room, as this is a closed-book assessment.

To prepare for this test you should read and study the recommended textbook chapters, the essential resources on Moodle and weekly study guides and participate in weekly lectures and tutorials. You should attend all practical sessions in dental morphology and head and neck anatomy as you will work with the same anatomical models and teeth specimens as will be used in your In Class test. A practice test with a small number of timed stations will be conducted prior to each In Class test.

Assessment Due Date

You will complete two tests in class time. The first test will take place Thursday 4th April 2024. The second test will take place Tuesday 28th May 2024.

Return Date to Students

Results and feedback will be returned within two weeks of the assessment date.

Weighting

35%

Minimum mark or grade

You must achieve 50% in the cumulative score of both tests.

Assessment Criteria

You will be assessed by the following criteria:

1. Correctly identify teeth and dental morphology
2. Correctly identify occlusal relationships on models and on diagrams
3. Correctly identify head and neck anatomical features and functions
4. Use of appropriate anatomical terminology.

The first InClass test is worth 15%. The second In Class test is worth 20%. The combined mark is worth 35%.

Referencing Style

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

Submission

Offline

Submission Instructions

An answer sheet and additional paper for notes will be provided. All papers are to be submitted including note paper at the conclusion of the test.

Learning Outcomes Assessed

- Identify and name teeth in the human dentitions and anatomical features of the head and neck
- 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

You will complete two on-line quizzes to assess your knowledge of anatomy. The questions will focus on terminology and will include matching and multiple-choice questions. As questions will be randomly generated from a pool of questions, no two students will sit the exact same list of questions. To prepare for this assessment you can complete the weekly practice quizzes and study the learning resources in the relevant weeks.

You are allowed only one attempt for each quiz and must complete the quizzes in a limited time. Your attempts for each quiz will be submitted automatically, but no more questions can be answered once the time limit expires. No attempts are allowed after the quizzes are closed. If you are unable to complete the quizzes by the due date, you must apply for an extension before the due date.

Each quiz is outlined below.

The first quiz opens Friday 29th March 8.00am and closes Friday 5th April 5.00pm. This quiz tests learning material in weeks 1-4. There are 40 questions (maximum). The time limit is 25 minutes. This quiz is worth 10%.

The second quiz opens Monday 13th May 8.00am and closes Monday 27th May 5.00pm. This quiz tests learning material in weeks 5-10. There are 60 questions (maximum). The time limit is 40 minutes. This quiz is worth 15%.

Number of Quizzes

2

Frequency of Quizzes

Other

Assessment Due Date

The first quiz is due 5.00pm 5th April 2024. The second quiz is due 5.00pm 27th May 2024.

Return Date to Students

Results are made available immediately after the quiz closes.

Weighting

25%

Minimum mark or grade

You must achieve 50% in the cumulative score of both quizzes.

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 is 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 the anatomy of the head and neck relevant to the function of the oral cavity
- Describe features and traits of teeth in the human dentitions, as well as normal sequence of eruption and exfoliation, and occlusion

3 Online test

Assessment Type

Online Test

Task Description

You will complete an online test during the university examination week. The test has two parts. Part A includes short answers. Part B includes short response questions which require a few sentences or a paragraph. You may be asked to

draw or label diagrams in Part B.

To prepare for this test, you should read and study the recommended textbook chapters, the essential resources on Moodle and weekly study guides and participate in weekly lectures and tutorials. Weekly practice quizzes and questions can be used to self-test your knowledge and understanding, and a practice online test will be made available for you to practice the format of the test.

Questions will be randomly generated from a pool of questions. No two students will sit the exact same combination of questions. You are allowed only one attempt for the test and must complete the test in a limited time. All questions will be submitted automatically and only one question will appear on your screen at a time. No more questions can be answered once the time limit expires or when the test closes.

Answers to the online test questions must be your own work as per CQUniversity Student Academic Integrity Policy and Procedure and specifically you should not use generative AI to answer the questions either in part or fully. If you are unable to complete the test by the due date, you must apply for an extension before the due date.

Assessment Due Date

Exam Week Thursday (13 June 2024) 11:45 pm AEST

The online test will be conducted during the university examination period. You will be advised on the date and time.

Return Date to Students

Results of the online test will be made available on release of grades.

Weighting

40%

Minimum mark or grade

50%

Assessment Criteria

The online tests will assess your knowledge of the materials from weeks 1-12. To guide your assessment in this test, you will find weekly learning outcomes in the study guide and in the lecture slides. You will also find examples of similar questions to the online test in the weekly study guides. Answers to the online test will be manually graded. The online test is worth 40% of your final assessment.

Referencing Style

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

Submission

Online

Learning Outcomes Assessed

- Describe the anatomy of the head and neck relevant to the function of the oral cavity
- Describe features and traits of teeth in the human dentitions, as well as normal sequence of eruption and exfoliation, and occlusion

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