



CHEM11042 *Fundamentals of Chemistry*

Term 1 - 2019

Profile information current as at 14/05/2024 04:09 pm

All details in this unit profile for CHEM11042 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 will provide you with the fundamental principles of chemistry that underpin the medical sciences and provide a strong foundation on which you can develop an understanding of biochemistry and molecular science. You will gain an appreciation of the nature of matter, classic atomic structure and how energy is involved in bond formation. These concepts will be developed to explain the forces between molecules that govern chemical interaction. You will be introduced to the chemistry of electrolytes, acids, bases and buffers. This study will be supported by simple calculations to assist you in relating to the pH scale. The study of organic chemistry and molecules central to the life sciences will enable you to develop an understanding of the biochemistry and molecular biology relevant to your specific discipline. The naming and classifying of chemical compounds will enable you to be conversant with accepted scientific terms. Tutorials and on-line activities will complement the theoretical knowledge gained in lectures and provide you with the basic mathematical and analytical tools required in the application of chemistry to your specific discipline.

Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

There are no requisites for this unit.

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 - 2019

- Online
- 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: 30%

2. **Written Assessment**

Weighting: 20%

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 Have your say survey, Moodle forums and student- staff discussions

Feedback

Some students were displeased with the quality of the lecture videos, a number highlighting echo 360 in particular as an issue (sound issues). This unfortunately appears to be a common complaint across a number of units.

Recommendation

Measures were taken by academic staff to improve video quality with reasonable success (personal purchase of microphone). Issues with echo 360 however, are beyond the academic staff's control. It should be noted that the University has moved to an updated Echo 360 platform for term 2 2018 so hopefully this will combat a lot of the issues highlighted.

Feedback from Have your say survey, Moodle forums and student- staff discussions

Feedback

Students highlighted the occurrence of a sesskey error in Moodle which made navigation of the Moodle site difficult and time consuming.

Recommendation

Academic staff were in contact with ITD to remedy the issue - this is an ongoing issue that ITD are aware of and are working to resolve. Again, this unfortunately is somewhat beyond the control of academic staff.

Feedback from Have your say survey, Moodle forums and student- staff discussions

Feedback

A number of students expressed their concern at the amount of content covered in this unit. With some querying the relevance of the content for their discipline and future study. Some felt that their understanding would benefit if the unit was divided into more units - either via the addition of a bridging unit prior to CHEM11042 to cover the unit load or by the delivery of the content over two separate units.

Recommendation

CHEM11042 is a pre-requisite to a number of units and in order to prepare the students for these units it is necessary to cover a lot of chemistry fundamentals. Staff can sympathise that students (particularly those studying chemistry for the first time) may feel overwhelmed and struggle with the unit content. Consequently, a large amount of resources were made available to students and students were made aware of the support facilities available to them such as the ALC and so forth.

Feedback from Have your say survey, Moodle forums and student- staff discussions

Feedback

The majority of students indicated that overall they enjoyed the course, the following aspects were highlighted 1. Delivery of content 2. Approachability of staff and their consistent reliable response to queries 3. Quality of face to face interaction with staff 4. Use of online assessment pieces

Recommendation

Continue best practice.

Unit Learning Outcomes

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

1. Apply concepts of atomic structure to explain molecular bonding and nuclear reactivity.
2. Apply chemical concepts to healthcare situations.
3. Identify categories of organic compounds and their potential chemical interactions.
4. Perform basic chemical calculations.

Alignment of Learning Outcomes, Assessment and Graduate Attributes

 N/A Level	 Introductory Level	 Intermediate Level	 Graduate Level	 Professional Level	 Advanced Level
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Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
1 - Online Quiz(zes) - 30%	•		•	•
2 - Written Assessment - 20%		•		
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				
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 - Online Quiz(zes) - 30%		•	•	•		•				
2 - Written Assessment - 20%	•	•	•	•		•				

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
3 - Examination - 50%	•	•	•	•						

Textbooks and Resources

Textbooks

CHEM11042

Prescribed

General, Organic, & Biological Chemistry

Edition: 4th edn (2019)

Authors: Janice Gorzynski Smith

McGraw Hill Education

New York , New York , USA

ISBN: 9781260085181

Binding: Paperback

CHEM11042

Prescribed

Periodic Table of the Elements

Edition: 2018 (2018)

Authors: CQUniversity Bookshop

CQUniversity

Rockhampton , QLD , Australia

Binding: Other

Additional Textbook Information

This is a new edition for 2019. Both items are available to purchase at the CQUni Bookshop here: <http://bookshop.cqu.edu.au> (search on the Unit code)

[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 style: [Vancouver](#)
For further information, see the Assessment Tasks.

Teaching Contacts

Shaneel Chandra Unit Coordinator
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Schedule

Week 1 - 11 Mar 2019

Module/Topic

Chapter

Events and Submissions/Topic

Introduction to Chemistry, Matter, Atoms and Bonding	Lecture 1: Matter	
	Chapter 1	Matter and Measurement
		Section Heading
	1.1	Chemistry: The Science of Everyday Experience
	1.2	States of Matter
	1.3	Classification of Matter
	Lecture 2: Atomic Structure, Isotopes and the Periodic Table	
	Chapter 2	Atoms and the Periodic Table
		Section Heading
	2.1	Elements
	2.2	Structure of the Atom
	2.3	Isotopes
	2.4	The Periodic Table
	2.5	Electronic Structure
	2.8	Periodic Trends
	Lecture 3: Valence Electrons, Ion Formation and Bonding Types	
	Chapter 2	Atoms and the Periodic Table
		Section Heading
	2.7	Valence Electrons
	Chapter 3	Ionic compounds
		Section heading
	3.1	Introduction to Bonding
	3.2	Ions
	3.3	Ionic Compounds
	Chapter 4	Covalent compounds
		Section heading
	4.7	Electronegativity and Bond Polarity

Week 2 - 18 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Molecules, Moles and Lewis Dot Diagrams	Lecture 1: Molecules, Molecular Formula, Molar Mass and the Mole	
	Chapter 5	Chemical reactions
		Section Heading
	5.5	The Mole and Avogadro's number
	5.6A	Molar Mass
	Lecture 2: Mass-Mole Conversions (Review: Significant Figures and Scientific Notation)	
	Chapter 5	Chemical reactions
		Section Heading
	5.6	Mass to Mole Conversions
	Chapter 1	Matter and Measurement
		Section Heading
	1.4	Measurement
	1.5	Significant Figures
	1.6	Scientific Notation
	Lecture 3: Lewis Dot Structures and Polarity of Molecules	
	Chapter 4	Covalent compounds
		Section Heading
	4.1	Introduction to Covalent Bonding
	4.2	Lewis Structures
	4.4	Resonance
	4.6	Molecular Shape
	4.8	Polarity of Molecules
	FYI 4.9	FOCUS ON HEALTH AND MEDICINE Covalent Drugs and Medical Products

Week 3 - 25 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Solutions, Dilutions and Intermolecular Forces	Lecture 1: Chemical Solutions - Terms and Concentration	
	8.1	Mixtures
	8.3	Solubility - General Features
	8.4	Solubility - Effects of Temperature and Pressure
	8.5	Concentration Units - Percent Concentration
	8.6	Concentration Units - Molarity
	Lecture 2: Preparing Solutions and Dilutions, Unit conversions	
	Chapter 8	Solutions
		Section Heading
	8.5	Concentration Units - Percent Concentration
	8.6	Concentration Units - Molarity
	8.7	Dilution
	Lecture 3: Intermolecular Forces and Colligative Properties	
	Chapter 7	Gases liquids and Solids
		Section Heading
	7.7	Intermolecular Forces, Boiling Point and Melting Point
	Chapter 8	Solutions
		Section Heading
	8.8	Colligative Properties

Assessment Item 1 - Online Quiz 1
Quiz close 11:55 pm (AEST) Sunday
31 March 2019

Week 4 - 01 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Chemical Equations 1	Lecture 1: Chemical Equations	
	Chapter 5	Chemical Reactions
		Section Heading
	5.1	Introduction to Chemical Reactions
	5.2	Balancing Chemical Equations
	Lecture 2: Energy in Reactions, Catalysts and Enzymes	
	Chapter 6	Energy changes, Reaction Rates and Equilibrium
		Section Heading
	6.1	Energy
	6.2	Energy Changes in Reactions
	6.3	Energy Diagrams
	6.4	Reaction Rates
	Lecture 3: Chemical Reactions and Stoichiometry	
	Chapter 5	Chemical reactions
		Section Heading
	5.7	Mole Calculations in Chemical Equations
	5.8	Mass Calculations in Chemical equations

Week 5 - 08 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Chemical Equations 2	Lecture 1: Yield Calculations, Limiting and Excess Reagents	
	Chapter 5	Chemical Reactions
		Section Heading
	5.9	Percent yield
	5.10	Limiting Reactants
	Lecture 2: Chemical Equilibrium and Equilibrium Constants	
	Chapter 6	Energy changes, Reaction Rates and Equilibrium
		Section Heading
	6.5	Equilibrium
	Lecture 3: Le Châtelier's Principle	
	Chapter 6	Energy Changes, Reaction Rates and Equilibrium
		Section Heading
	6.6	Le Châtelier's Principle
	6.7	FOCUS ON THE HUMAN BODY: Body Temperature

Assessment Item 2 - Written Assessment
Due 11:55 pm (AEST) Sunday 14 April 2019

Vacation Week - 15 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Week 6 - 22 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Acids and Bases	Lecture 1: Introduction to Acids and Bases	
	Chapter 9	Acids and Bases
		Section Heading
	9.1	Introduction to Acids and Bases
	9.2	The Reaction of a Brønsted-Lowry Acid with a Brønsted-Lowry Base
	9.3	Acid and Base Strength
	9.4	Equilibrium and Acid Dissociation Constants
	9.5	The Dissociation of Water
	Lecture 2: The pH Scale and pH Calculations for Strong Acids and Bases	
	Chapter 6	Acids and Bases
		Section Heading
	9.6	The pH Scale
	9.7	Common Acid-Base Reactions
	9.8	The Acidity and Basicity of Salt Solutions
	Lecture 3: The pH of weak acids and bases	
	No readings from text	

Assessment Item 1 - Online Quiz 2
Quiz close 11:55 pm (AEST) Sunday 28 April 2019

Week 7 - 29 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Acids, Bases, Buffers and Gases	Lecture 1: Common Acid Base Reactions and Buffer Theory	
	Chapter 9	Acids and Bases
		Section Heading
	9.7	Common Acid-Base Reactions
	9.8	The Acidity and Basicity of Salt Solutions
	9.10	Buffers
	9.10A	General Characteristics of a Buffer
	FYI 9.11	FOCUS ON THE HUMAN BODY: Buffers in the Blood
	Lecture 2: Calculating the pH of a Buffer	
	Chapter 9	Acids and Bases
		Section heading
	9.10B	Calculating the pH of a Buffer
	Lecture 3: Gas Laws	
	Chapter 7	Gases, Liquids and Solids
		Section Heading
	7.2	Gases and Pressure
	7.3	Gas Laws that Relate Pressure, Volume and Temperature
	7.4	Avogadro's Law - How Volume and Moles are Related
	7.5	The Ideal Gas Law
	7.6	Dalton's Law and Partial Pressure

Week 8 - 06 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Organic Chemistry - Carbon, Functional Groups and Alkanes	Lecture 1: Introduction to Organic Chemistry - Carbon and Functional Groups	
	Chapter 11	Introduction to Organic Molecules and Functional Groups
		Section Heading
	11.1	Introduction to Organic Chemistry
	11.2	Characteristic Features of Organic Compounds
	11.3	Shapes of Organic Molecules
	11.4	Drawing Organic Molecules
	11.5	Functional Groups
	11.6	Properties of Organic Compounds
	FYI 11.7	FOCUS ON HEALTH & MEDICINE: Vitamins
	Lecture 2: Alkanes, IUPAC Nomenclature and Classification of Carbon Atoms	
	Chapter 12	Atoms and the Periodic Table
		Section Heading
	12.1	Introduction
	12.2C	Classifying Carbon Atoms
	12.3	An introduction to Nomenclature
	12.4	Alkane Nomenclature
	Lecture 3: Cycloalkanes, Isomers, Chiral Compounds and Properties of Alkanes	
	Chapter 12	Alkanes
		Section Heading
	12.2	Simple Alkanes
	12.5	Cycloalkanes
	12.7	Physical properties
	12.8	Combustion
	FYI 12.6	FOCUS ON THE ENVIRONMENT: Combustion
	Chapter 15	The Three-Dimensional Shape of Molecules
		Section Heading
	15.1	Isomers - A Review
	15.2	Looking Glass Chemistry - Molecules and Their Mirror Images
	15.3	Chiral Centres
	FYI 15.5	FOCUS ON HEALTH & MEDICINE: Chiral Drugs

Week 9 - 13 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Unsaturated Hydrocarbons and Aromatics	Lecture 1: Alkenes and Alkynes	
	Chapter 13	Unsaturated Hydrocarbons
		Section Heading
	13.1	Alkenes and Alkynes
	13.2	Nomenclature of Alkenes and Alkynes
	13.6	Reactions of Alkenes
	FYI 13.4	Interesting Alkenes in Food and Medicine
	FYI 13.5	FOCUS ON HEALTH & MEDICINE: Oral Contraceptives
	FYI 13.7	Margarine or Butter
	Lecture 2: cis - trans isomerism	
	Chapter 13	Unsaturated Hydrocarbons
		Section Heading
	13.3	Cis - Trans Isomers
	Lecture 3: Aromatic Compounds	
	Chapter 13	Unsaturated Hydrocarbons
		Section Heading
	13.9	Aromatic Compounds
	13.10	Nomenclature of Benzene derivatives
	FYI 13.11	FOCUS ON HEALTH & MEDICINE: Aromatic Drugs, Sunscreens, and Carcinogens
	FYI 13.12	FOCUS ON HEALTH & MEDICINE: Phenols as Antioxidants
		Assessment Item 1 - Online Quiz 3 Quiz close 11:55 pm (AEST) Sunday 19 May 2019

Week 10 - 20 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Alcohols, Thiols and Amines	Lecture 1: Alcohols	
	Chapter 14	Organic Compounds that Contain Oxygen, Halogen or Sulfur
	14.1	Section heading Introduction
	14.2	Structure and properties of alcohols
	14.3	Nomenclature of Alcohols
	14.5	Reactions of Alcohols
	FYI 14.4	Interesting Alcohols
	FYI 14.6	FOCUS ON HEALTH & MEDICINE: Ethanol, the Most Widely Abused Drug
	Lecture 2: Ethers, Alkyl Halides and Thiols	
	Chapter 14	Organic Compounds that Contain Oxygen, Halogen or Sulfur
		Section Heading
	14.7	Structure and Properties of Ethers
	14.9	Alkyl Halides
	14.10	Organic Compounds that Contain Sulfur
	FYI 14.8	FOCUS ON HEALTH & MEDICINE: Ethers as Anesthetics
	Lecture 3: Amines	
	Chapter 18	Amines and Neurotransmitters
		Section Heading
	18.1	Structure and Bonding
	18.2	Nomenclature
	18.3	Physical Properties
	FYI 18.4	FOCUS ON HEALTH & MEDICINE: Caffeine and Nicotine

Week 11 - 27 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Carbonyl Groups and Chiral Compounds	Lecture 1: Aldehydes and Ketones	
	Chapter 16	Aldehydes and Ketones
		Section Heading
	16.1	Structure and Bonding
	16.2	Nomenclature
	16.3	Physical Properties
	FYI 16.4	FOCUS ON HEALTH & MEDICINE: Interesting Aldehydes and Ketones
	Lecture 2: Carboxylic Acids, Esters and Amides	
	Chapter 17	Carboxylic Acids, Esters, and Amides
		Section Heading
	17.1	Structure and Bonding
	17.2	Nomenclature
	17.3	Physical Properties
	17.4	Interesting Carboxylic Acids in Consumer Products and Medicines
	17.5	Interesting Esters and Amides
	FYI 17.7	FOCUS ON HEALTH & MEDICINE: Aspirin
	Lecture 3: Nuclear Decay and Radiation Safety	
	Chapter 10	Nuclear Chemistry
		Section Heading
	10.1	Introduction
	10.2	Nuclear Reactions
	10.3	Half-life
	10.4 B	FOCUS ON HEALTH & MEDICINE: The Effects of Radioactivity
	10.5	FOCUS ON HEALTH & MEDICINE: Medical Uses of Radioisotopes

Week 12 - 03 Jun 2019

Module/Topic	Chapter	Events and Submissions/Topic
		Assessment Item 1 - Online Quiz 4 Quiz close 11:55 pm (AEST) Sunday 9 June 2019

Review/Exam Week - 10 Jun 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Exam Week - 17 Jun 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Assessment Tasks

1 Online Quizzes

Assessment Type

Online Quiz(zes)

Task Description

This assessment is comprised of 4 online quizzes which will assess your understanding of the topics presented in this unit. Completing these quizzes will give you an indication of your understanding of the concepts presented each week and encourage you to stay on track with your study. This assessment requires you to apply the concepts to answer a series of multiple choice questions. All questions in each quiz are of equal value.

- Quiz 1 will contribute 6 %,
- Quiz 2 will contribute 6 %,
- Quiz 3 will contribute 6 %, and
- Quiz 4 will contribute 12%,

The 4 online quizzes will contribute a total of 30% of the assessment for this unit.

The quizzes are not timed and you are allowed three attempts; the highest score of the three attempts will be recorded. Note that questions are generated randomly and you will receive different questions on subsequent attempts.

Number of Quizzes

4

Frequency of Quizzes

Other

Assessment Due Date

The quizzes will be due at 11:55 pm (AEST) on the Sunday at the end of Weeks 3, 6, 9 and 12.

Return Date to Students

Quiz results will be released after the completion of each attempt. Answers to the quiz questions will be released after the quiz has closed.

Weighting

30%

Assessment Criteria

All questions are of equal weighting. One mark will be awarded for each correct response. Incorrect responses will not incur a penalty.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Complete each quiz by following the link on the Moodle site.

Learning Outcomes Assessed

- Apply concepts of atomic structure to explain molecular bonding and nuclear reactivity.
- Identify categories of organic compounds and their potential chemical interactions.
- Perform basic chemical calculations.

Graduate Attributes

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

2 Written Assessment

Assessment Type

Written Assessment

Task Description

This assessment is designed to assess your comprehension of the concepts presented in the unit through their application to a answer a series of questions. Marks will be awarded for each question as idicated in the assessment item (please see the Moodle site for further details). Explanations for each answer must be provided and if calculations are requires all workings must be provided.

Assessment Due Date

Due Sunday 14th April at 11:55 pm (AEST)

Return Date to Students

Week 8 Friday (10 May 2019)

Results will be released via Moodle

Weighting

20%

Assessment Criteria

Marks will be awarded for each question as idicated in the assessment item (please see the Moodle site for further details). Marks will be awarded for each correct response. Incorrect responses will not incur a penalty.

Referencing Style

- [Vancouver](#)

Submission

No submission method provided.

Learning Outcomes Assessed

- Apply chemical concepts to healthcare situations.

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

120 minutes

Minimum mark or grade

40

Exam Conditions

Closed Book.

Materials

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

Calculator - all non-communicable calculators, including scientific, programmable and graphics calculators are authorised

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