ENEM20003 *Thermofluids Engineering Applications*
Term 1 - 2019

Profile information current as at 12/10/2024 02:45 pm

All details in this unit profile for ENEM20003 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 equip you with advanced knowledge and applications of the principles of thermodynamics, fluid mechanics and heat transfer to the design and analysis of complex thermofluid systems. You will apply your knowledge and understanding to evaluate the performance of air conditioning, cooling tower and other heat and energy transfer processes in various industrial plants. You will achieve the learning outcomes through an integration of advanced theoretical concepts and the application of modelling approaches, and experimental methods to solve industrial thermofluid problems. You will work both individually and collaboratively, to solve problems, and document and communicate your work clearly in a professional manner.

Details
Career Level: *Postgraduate*
Unit Level: *Level 8*
Credit Points: *12*
Student Contribution Band: *8*
Fraction of Full-Time Student Load: *0.25*

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

- Melbourne
- Perth
- 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 12-credit Postgraduate unit at CQUniversity requires an overall time commitment of an average of 25 hours of study per week, making a total of 300 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. **Written Assessment**
Weighting: 25%
2. **Written Assessment**
Weighting: 25%
3. **Laboratory/Practical**
Weighting: 20%
4. **In-class Test(s)**
Weighting: 30%

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

Feedback

Students are generally happy with the content, projects and delivery of this unit. However, more staff support for software workshop/learning at Perth campus has been asked for.

Recommendation

Shall look into improving staff support at Perth and other campuses as needed.

Unit Learning Outcomes

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

1. Apply the principles of thermodynamics, fluid mechanics and heat transfer to design complex thermofluid processes related to air-conditioning, heating, cooling and ventilation systems
2. Apply advanced knowledge and methodologies to critically evaluate the performance of complex mass, heat and energy transfer systems
3. Apply discipline-specific theories to critically analyse the operating characteristics of pumps and turbines
4. Model fluid dynamics problems using advanced numerical methods
5. Work collaboratively in a team, communicate professionally and develop high-quality technical documentation related to theoretical, experimental and computational modalities in the discipline.

The learning outcomes are linked to Engineers Australia Stage 1 Competency Standard and Australian Qualification Framework (AQF) 9 Level.

Alignment of Learning Outcomes, Assessment and Graduate Attributes

— N/A Level | • Introductory Level | • Intermediate Level | • Graduate Level | ◦ Professional Level | ◦ Advanced Level

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
1 - Written Assessment - 25%	•			•	
2 - Written Assessment - 25%		•	•		•
3 - Laboratory/Practical - 20%		•	•		•
4 - In-class Test(s) - 30%	•			•	

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
1 - Knowledge	○	○	○	○	
2 - Communication					○
3 - Cognitive, technical and creative skills	○	○	○	○	
4 - Research		○		○	
5 - Self-management					○
6 - Ethical and Professional Responsibility					○
7 - Leadership					○
8 - 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
1 - Written Assessment - 25%	○			○	○			
2 - Written Assessment - 25%	○	○	○	○				
3 - Laboratory/Practical - 20%		○	○	○	○	○		
4 - In-class Test(s) - 30%	○							

Textbooks and Resources

Textbooks

ENEM20003

Prescribed

Munson's Fluid Mechanics
8th Global Edition (2017)
Authors: P. M. Gerhart, A. L. Gerhart, J.I. Hochstein
John Wiley & Sons
Singapore
ISBN: ISBN 978-1-119-24898-9
Binding: Hardcover
ENEM20003

Prescribed

Refrigeration and Air Conditioning
Edition: 2nd (1982)
Authors: Stoecker, Wilbert and Jones, Jerold
McGraw Hill Book Co
Singapore
ISBN: ISBN 0-07-066591-5
Binding: Hardcover

Additional Textbook Information
The Stoecker text is Out of Print, however you can purchase an eBook version here:
https://www.mheducation.com.au/9781307281668-aus-ebook-refrigeration-and-air-conditioning-2e
Munson's Fluid Mechanics can be purchased from 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: Harvard (author-date)
For further information, see the Assessment Tasks.

Teaching Contacts

Kalam Azad Unit Coordinator
a.k.azad@cqu.edu.au

Schedule

Week 1 - 11 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Introduction and overview of course and assessment. Fluid flow-steady & unsteady flows, compressible & incompressible flows	Munson: Ch 3, 4 and 5	**Tutorial:** Fluid Flows problems **Workshop:** Introduction to Project 1 and handover - aims, objectives and scopes

Week 2 - 18 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Pumps - fluid flows, flow in pipes	Munson: Ch 8	**Tutorial**: Pipe flows, flow losses **Workshop:** Discussion & feedback on Project 1

Week 3 - 25 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Fluid machinery- analysis, performance, characteristics of pumps.	Munson: Ch 12	**Tutorial:** Fluid machinery & characteristics. **Workshop:** Discussion & feedback on Project 1

Week 4 - 01 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Turbines - energy transfer calculations for Pelton Turbine	Munson: Ch 12	**Tutorial:** Turbines design and calculations **Workshop:** Project 1 Presentation (Maintain formal dress code) **Lab 1 Report Due:** Week 4 Friday 5:59 pm AEST

Week 5 - 08 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Thermal comfort and psychrometry	Stoecker: Ch 3 and 4 Eastop: Ch 15	**Tutorial:** Thermal comfort, Thermal principles, Psychrometry, steam Table & charts **Workshop:** Project 1 report preperation assistance and support **Project 1** Due: Week 5 Friday (12 Apr 2019) 6:00 pm AEST

Vacation Week - 15 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic

Week 6 - 22 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Mass, energy & heat transfer-cooling and dehumidification	Stoecker: Ch 3 Eastop: Ch 15	**Tutorial:** Thermal comfort, Psychrometry and steam Table **Workshop:** Introduction to Project 2 and hand over - aims, objectives and scopes **Lab 2 Report Due:** Week 6 Friday 5:59 pm AEST

Week 7 - 29 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Heat and mass transfer in thermodynamic system - heat exchanger, cooling tower	Eastop: Ch 14 Stoecker: Ch 10 and 17	**Tutorial:** Cooling tower **Workshop:** Discussion & feedback on Project 2

Week 8 - 06 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Lecture: Air conditioning systems	Eastop: Ch 15	**Tutorial:** Air conditioning systems design **Workshop:** Discussion & feedback on Project 2 **Lab 3 Report Due:** Week 8 Friday 5:59 pm AEST

Week 9 - 13 May 2019		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Lecture: Air conditioning - cooling & heating systems design	Eastop: Ch 15 Stoecker: Ch 5	**Tutorial:** Air conditioning load calculation and ducting system design **Workshop**: Enquiries & feedback on Project 2. **Lab 4 Report Due:** Week 9 Friday 5:59 pm AEST
Week 10 - 20 May 2019		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Lecture: Refrigeration-types/systems, coefficient of performance	Eastop: Ch 14 Stoecker: Ch 10 and 17	**Tutorial:** Refrigeration system design **Workshop:** Project 2 Presentation (Maintain formal dress code)
Week 11 - 27 May 2019		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Lecture: Computational Fluid Dynamics (CFD)-Basic equations and modelling	Munson: Section A	**Tutorial:** Navier-Stokes equations **Workshop:** Project 2 report preperation assistance and support **Project 2** Due: Week 11 Friday (31 May 2019) 6:00 pm AEST
Week 12 - 03 Jun 2019		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Lecture: The unit material review		**Tutorial:** Review weekly materials **Workshop:** Review
Review/Exam Week - 10 Jun 2019		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Class Test		**Class test:** Suggested date, time and venue will be confirmed and notified via Moodle. **Class test** Due: Review/Exam Week Wednesday (12 June 2019) 6:00 pm AEST

Term Specific Information

Dr Kalam Azad
Unit coordinator contact details: Email (a.k.azad@cqu.edu.au)

Assessment Tasks

1 Project 1

Assessment Type
Written Assessment

Task Description
Students are required to undertake this project which will allow them to exercise and demonstrate their knowledge of fluid machinery and flows, and application skills in a fluid transportation system. In particular, they will be required to analyse and design a fluid flow/transportation system using fluid dynamics principles and piping systems and pumps.

Assessment Due Date
Week 5 Friday (12 Apr 2019) 6:00 pm AEST

It is expected that the assessment item will be returned in 2 weeks after the due date

Return Date to Students
Week 7 Friday (3 May 2019)

Weighting
25%

Minimum mark or grade
50%

Assessment Criteria
This is a Team Project and initially, team submission will be assessed and a grade will be given for each team. Then individual grade will be determined using the equation below and based on their contribution and performance. Team members will need to submit the Team Charter (Declaration of individual student contributions) and SPA (Self and Peer Assessment) report. It may be possible that individual grade could be higher than the team mark, but capped at the maximum mark for the assessment. Details project marking criteria, declaration of contribution and SPA templates will be provided on Moodle.
Please note that if a team declares ZERO contribution for any of the member of the team in a submission for assessment then he/she will not be considered as a team member (for equal team share calculation) for that particular assessment item. The report must meet the minimum standard of the set criteria regardless of the number of team members involved in this task to satisfy the requirement of this unit.
Individual student marks = Total project 1 marks achieved by the team out of 25 x (Individual share / Equal team share)
For example: Individual contributions of 3 students in Team A are given below. This Team A received 36 marks (out of 40) for their project.
S1 - 30%; S2 - 33%; S3 - 37% (Total 100% contribution)
Based on the contribution, Individual marks are given as follow.
S1 = 36 x (30/33.3) = 32.4 (out of 40)
S2 = 36 x (33/33.3) = 35.6 (out of 40)
S3 = 36 x (37/33.3) = 40.0 (out of 40)
Please note: Students are advised to meet the submission due date to avoid the **delay penalty of 5% marks per day** which may be deducted for delaying in submission according to the CQUniversity assessment policy. The assessment item will not be accepted if the submission is delayed by more than **20 days** after the due date of the submission. Generally, the extension request will not be granted because it is a team submission, not individual submission. However, it could be considered for special circumstances based on the evidence (i.e. medical certificate from a GP or hospital medical certificate) of a serious medical condition of members of the team.

Referencing Style

- Harvard (author-date)

Submission
Online Group

Submission Instructions
Submission link will be provided on Moodle of this assessment item

assessmentOutcome

- Apply the principles of thermodynamics, fluid mechanics and heat transfer to design complex thermofluid processes related to air-conditioning, heating, cooling and ventilation systems
- Model fluid dynamics problems using advanced numerical methods

assessmentGradAttribute

- Knowledge
- Research
- Self-management

2 Project 2

Assessment Type
Written Assessment

Task Description
Students are required to undertake this project which will allow them to exercise and demonstrate their theoretical thermo-fluid knowledge and skills in a practical application in the area of building HVAC systems. In particular, they will be required to investigate energy and thermal performance of a reference building and develop energy management strategies for a reference building.
The project task and scope will be uploaded to the unit website (Moodle).

Assessment Due Date
Week 11 Friday (31 May 2019) 6:00 pm AEST

It is expected that the assessment item will be returned in 2 weeks after the due date

Return Date to Students
Review/Exam Week Friday (14 June 2019)

Weighting
25%

Minimum mark or grade
50%

Assessment Criteria
This is a Team Project and initially, team submission will be assessed and a grade will be given for each team. Then individual grade will be determined using the equation below and based on their contribution and performance. Team members will need to submit the Team Charter (Declaration of individual student contributions) and SPA (Self and Peer Assessment) report. It may be possible that individual grade could be higher than the team mark, but capped at the maximum mark for the assessment. Details project marking criteria, declaration of contribution and SPA templates will be provided on Moodle.
Please note that if a team declares ZERO contribution for any of the member of the team in a submission for assessment then he/she will not be considered as a team member (for equal team share calculation) for that particular assessment item. The report must meet the minimum standard of the set criteria regardless of the number of team members involved in this task to satisfy the requirement of this unit.
Individual student marks = Total project 2 marks achieved by the team out of 25 x (Individual share / Equal team share)
For example: Individual contributions of 3 students in Team A are given below. This Team A received 36 marks (out of 40) for their project.
S1 - 30%; S2 - 33%; S3 - 37% (Total 100% contribution)
Based on the contribution, Individual marks are given as follow.
S1 = 36 x (30/33.3) = 32.4 (out of 40)
S2 = 36 x (33/33.3) = 35.6 (out of 40)
S3 = 36 x (37/33.3) = 40.0 (out of 40)
Please note: Students are advised to meet the submission due date to avoid the **delay penalty of 5% marks per day** which may be deducted for delaying in submission according to the CQUniversity assessment policy. The assessment item will not be accepted if the submission is delayed by more than **20 days** after the due date of the submission. Generally, the extension request will not be granted because it is a team submission, not individual submission. However, it could be considered for special circumstances based on the evidence (i.e. medical certificate from a GP or hospital medical certificate) of a serious medical condition of members of the team.

Referencing Style

- Harvard (author-date)

Submission
Online Group

Submission Instructions
Submission link will be provided on Moodle of this assessment item

assessmentOutcome

- Apply advanced knowledge and methodologies to critically evaluate the performance of complex mass, heat and energy transfer systems
- Apply discipline-specific theories to critically analyse the operating characteristics of pumps and turbines
- Work collaboratively in a team, communicate professionally and develop high-quality technical documentation related to theoretical, experimental and computational modalities in the discipline.

assessmentGradAttribute

- Knowledge
- Communication
- Cognitive, technical and creative skills
- Research

3 Laboratory report

Assessment Type
Laboratory/Practical

Task Description
Each student will be required to complete the laboratory exercises as per the instruction sheets which will be available on the unit website. Laboratory sessions are compulsory, and each session will be up to 2 hours in duration. The timetable of laboratories will be supplied separately via the unit website (Moodle).
Statement on Safety
According to the Workplace Health and Safety Act, 1995, it is a legal requirement that all persons at a workplace must not act in a manner that endangers the health or safety of any person at that workplace. As a student, your University is your workplace. When attending laboratories, workshops and field activities, fully enclosed footwear covering the whole foot must be worn at all times. Other personal protective equipment must be worn when required, or as directed by the lecturer or technical officer-in-charge. All requirements of the School Workplace Clothing Policy must also be observed. In the laboratory, clothing must fully cover the torso and have at least a short sleeve (i.e. no singlets). Failure to comply with any of the above health and safety requirements may result in your exclusion from laboratory, workshop or activities - most of which are compulsory.
At laboratory session
Arrive early; communicate with other members of the groups, discuss individual tasks/contribution in readiness for the laboratory experiment.
Ensure to bring
Laboratory instruction sheets if any; Graph paper (A4 linear, 10 div/cm); Notebook (A4 hardbound); Ruler (30 cm clear plastic); Pen and pencil; Scientific calculator; Correct footwear.
Students are expected to complete the entire laboratory exercise including the drawing of graphs and calculating the final answer. All raw data must be entered into the notebook immediately.
Laboratory submission cover sheet
Softcopy (electronic) submissions must be compiled as one single pdf file and submitted through the unit website (Moodle). The first page of the assignment must show the following information: Names, Student Numbers, Group No, Year, Term, Unit Code.

Assessment Due Date

Lab reports submission is on a weekly basis as per the schedule provided.

Return Date to Students

It is expected that the assessment item will be returned in 2 weeks after the due date

Weighting
20%

Minimum mark or grade
50% (average but not individual)

Assessment Criteria
Reporting of major elements/steps (eg. Theory, Objective, Procedures, Results etc) taken to undertake the laboratory sessions (40% of total marks).
Clarity of expression, including correct grammar, spelling, punctuation and appropriate referencing of sources (10% of total marks).
Accurate and correct use and presentation of mathematical equations or graphs, tables, diagrams and/or drawings (30% of total marks).
Discussion and logical presentation of ideas and arguments by means of data analysis and synthesis (20% of total marks).
Assessment item details:
This is also a Team report submission and initially team submission will be assessed and a grade will be given for each team. Then individual grade will be determined using the equation below and based on their contribution and performance. Team members will need to submit Team Charter (Declaration of individual student contributions). It may be possible that individual grade could be higher than the team mark, but capped at the maximum mark for the assessment. Details project marking criteria and declaration of contribution templates will be provided on Moodle.
Individual student marks = Total lab marks achieved by the team out of 20 x (Individual share / Equal team share) x lab attendance
For example: Individual contributions of 3 students in Team A are given below. This Team A received 16 marks (out of 20) for their lab.
S1 - 30%; S2 - 33%; S3 - 37% (Total 100% contribution)
Based on the contribution, Individual marks are given as follow.
S1 = 16 x (30/33.3) x 1 = 14.40 (out of 20)
S2 = 16 x (33/33.3) x 1 = 15.85 (out of 20)

S3 = 16 x (37/33.3) x 1 = 17.78 (out of 20)
Please note the key information:
1. Average 50% marks in all lab reports (but not individual) are the minimum requirement to pass in this assessment item.
2. The lab attendances is compulsory and really important because it is a mandatory component and a multiplication factor (i.e. **Present - 1, Absent - 0**) for individual mark calculation as shown in the above equation will be used. Student must follow the lab schedule which will be provided on Moodle.
3. Please follow the individual lab report due date as mentioned in the weekly schedule.
4. Students are advised to meet the submission due date to avoid the **delay penalty of 5% marks per day** which may be deducted for delaying in submission according to the CQUniversity assessment policy. The assessment item will not be accepted if the submission is delayed by more than **20 days** after the due date of the submission. Generally, the extension request will not be granted because it is a team submission, not individual submission. However, it could be considered for special circumstances based on the evidence (i.e. medical certificate from a GP or hospital medical certificate) of a serious medical condition of members of the team.
5. If a team declares ZERO contribution for any of the member of the team in a submission for assessment then he/she will not be considered as a team member (for equal team share calculation) for that particular assessment item. The report must meet the minimum standard of the set criteria regardless of the number of team members involved in this task to satisfy the requirement of this unit.

Referencing Style

- Harvard (author-date)

Submission
Online Group

assessmentOutcome

- Apply advanced knowledge and methodologies to critically evaluate the performance of complex mass, heat and energy transfer systems
- Apply discipline-specific theories to critically analyse the operating characteristics of pumps and turbines
- Work collaboratively in a team, communicate professionally and develop high-quality technical documentation related to theoretical, experimental and computational modalities in the discipline.

assessmentGradAttribute

- Communication
- Cognitive, technical and creative skills
- Research
- Self-management
- Ethical and Professional Responsibility

4 Class test

Assessment Type
In-class Test(s)

Task Description
This assessment covers weekly topics from Week 1 to Week 11. Students are required to answer analytical and numerical questions to demonstrate their theoretical knowledge and analytical and solving skills in thermo-fluid processes.

Assessment Due Date
Review/Exam Week Wednesday (12 June 2019) 6:00 pm AEST

The individual student will set for the class test in the given venue under the supervision of an academic.

Return Date to Students

The assessment marks will be provided along with the certification of Grades.

Weighting
30%

Minimum mark or grade
50%

Assessment Criteria
Each question in the test will be assessed separately for the criterion accuracy and correct results. A question will be

deemed to have been completed if the student has shown a correct procedure and sound understanding of the work.

Referencing Style

- Harvard (author-date)

Submission
No submission method provided.

assessmentOutcome

- Apply the principles of thermodynamics, fluid mechanics and heat transfer to design complex thermofluid processes related to air-conditioning, heating, cooling and ventilation systems
- Model fluid dynamics problems using advanced numerical methods

assessmentGradAttribute

- Knowledge

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