



# ENEE20003 *Optical Fibre Communications*

## Term 2 - 2019

Profile information current as at 06/05/2024 07:49 pm

All details in this unit profile for ENEE20003 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 optical fibre communications from the basic components up to the system levels. You will analyse various optical fibre link parameters including loss, bandwidth and error rate. You will characterise optical components and systems using practical experiments and advanced simulation tools during laboratory sessions for on-campus students or during residential school for mixed mode students. You will conduct a literature/technology review into a specialised topic and utilise the advanced knowledge to design sophisticated optical communications systems. Upon completion of this unit, you will gain advanced knowledge to analyse and design complex optical communication systems. Prior knowledge of basic concepts of electrical circuit analysis, signals and linear systems and fundamental electromagnetic theory is assumed. Online students are required to attend compulsory residential school.

### Details

Career Level: *Postgraduate*

Unit Level: *Level 9*

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 2 - 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).

### 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 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. **Online Test**

Weighting: 15%

#### 2. **Practical Assessment**

Weighting: 15%

#### 3. **Literature Review or Systematic Review**

Weighting: 20%

#### 4. **Project (applied)**

Weighting: 35%

#### 5. **Online Test**

Weighting: 15%

### 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 Unit Survey

##### **Feedback**

Reminders of weekly teaching and learning activities in the lectures and Moodle have helped students remain focused on their learning.

##### **Recommendation**

Students will continue to be reminded of the teaching and learning activities every week, at the end of lectures and also via news items posted in Moodle when relevant. It is anticipated that the timely reminder of the learning activities will improve performance student outcomes in this unit.

#### Feedback from Unit Survey

##### **Feedback**

One day workshop for learning the simulation software is inadequate for effective use of this software for the design project.

##### **Recommendation**

Learning the simulation software will be introduced much earlier in the term in the form of weekly homework for students to familiarise themselves with the operation and the working of the simulation software within the first half of the term and a formal workshop focusing on the design project will be further provided in week 7 as it has always been offered in the previous terms. With these additional scaffolding of learning, it is believed that the students' ability to use the software for simulation of complex systems would be improved. This will then have a flowing effect to improve the quality of the project work and the unit pass rate.

#### Feedback from Unit Survey

##### **Feedback**

The teaching style and the quality of lecture materials and the effective method of delivery had helped me to learn the subject in an easy way.

##### **Recommendation**

The teaching materials and the delivery method will be maintained and continuously revised for improvements. Especially more scaffolding of learning steps will be introduced to further ease the learning of difficult concepts to better equip students with the necessary knowledge to tackle the assessment tasks.

#### Feedback from Unit coordinator's observation

##### **Feedback**

The laboratory exercises were very useful to help students learn the key concepts introduced in the lecture.

##### **Recommendation**

The laboratory exercises are an integral part of the learning activities for this unit. They also provide students with the practical experiences of optical components and systems. The laboratory exercises will be maintained and continue to be improved with updated materials. A more detailed guidance for the lab report will also be provided to assist students to achieve a better report mark and thus improve their experiences and satisfaction with this assessment.

#### Feedback from Unit coordinator's observation

##### **Feedback**

The online tests assist students to stay focused on recent learned materials and also provide prompt feedback to students about their understanding.

##### **Recommendation**

The online tests will be maintained and updated to encourage students to review the materials regularly and also provide them a means for obtaining prompt feedback. This early feedback will provide students with indications of their understanding of the materials which then allow them to act on a timely manner and to improve their unit outcome.

## Unit Learning Outcomes

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

1. Analyse optical components including advanced models of optical transmitter, receiver and optical fibre
2. Predict system performances through advanced modelling of loss, bandwidth and error rate using the state of the art simulation tools
3. Design sophisticated fibre optic systems using advanced technologies
4. Research advanced topics and emerging technologies in the optical fibre communications field
5. Document and communicate professional engineering information, including computer-based simulations and drawings using appropriate electrical engineering standards, terminology and symbols
6. Scope, plan, manage and successfully complete engineering projects autonomously and in teams with responsible, ethical and professional attitude regarding the role of engineers.

We are seeking accreditation for the Masters of Engineering Program. This will be a unit in that course.

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes					
	1	2	3	4	5	6
1 - Online Test - 15%	•					
2 - Practical Assessment - 15%		•			•	
3 - Literature Review or Systematic Review - 20%				•		•
4 - Project (applied) - 35%		•	•		•	•
5 - Online Test - 15%	•					

### Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes					
	1	2	3	4	5	6
1 - Knowledge	○	○	○	○		
2 - Communication					○	○
3 - Cognitive, technical and creative skills	○	○	○	○	○	
4 - Research				○		
5 - Self-management						○
6 - Ethical and Professional Responsibility						○

Graduate Attributes	Learning Outcomes					
	1	2	3	4	5	6
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 - Online Test - 15%	○		○					
2 - Practical Assessment - 15%	○	○	○			○	○	
3 - Literature Review or Systematic Review - 20%	○	○		○		○	○	
4 - Project (applied) - 35%	○		○	○	○	○		
5 - Online Test - 15%	○		○					

## Textbooks and Resources

### Textbooks

ENEE20003

#### Prescribed

##### **Optical Fiber Communications: Principles and Practice**

Edition: 3rd (2008)

Authors: John Senior

Pearson

Edinburgh Gate , Harlow , England

ISBN: 9780130326812

Binding: eBook

ENEE20003

#### Supplementary

##### **FIBER OPTIC COMMUNICATIONS**

Fifth Edition (2005)

Authors: Joseph C. Palais

Pearson

Upper Saddle River , New Jersey , USA

ISBN: 978-0-130-08510-8

Binding: Hardcover

[View textbooks at the CQUniversity Bookshop](#)

### IT Resources

#### You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Microsoft Office 2010 or 2013 (Word, Excel and PowerPoint)
- Zoom app on your smart phone or access to Zoom on your laptop
- VPI Photonic design suite
- Pdf creator/scanner

## Referencing Style

All submissions for this unit must use the referencing style: [Harvard \(author-date\)](#)

For further information, see the Assessment Tasks.

## Teaching Contacts

**Lam Bui** Unit Coordinator

[l.bui@cqu.edu.au](mailto:l.bui@cqu.edu.au)

## Schedule

### Week 1 - 15 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
Teaching Arrangements & Introduction to Optical Fibre Communications	Textbook's Chapter 1	

### Week 2 - 22 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Literature Review of a Photonic Topic	None	<ul style="list-style-type: none"> <li>• Forming laboratory group, literature view group, and project group</li> <li>• Submission of literature review topics (to be approved by the Unit Coordinator)</li> </ul>
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### Week 3 - 29 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Optical Fibre	Textbook's Chapter 2 and Chapter 3	

### Week 4 - 05 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
Optical sources - Lasers	Textbook's Chapter 6 and Chapter 7	

### Week 5 - 12 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
Optical receivers - Photodetectors	Textbook's Chapter 8 and Chapter 9	

### Vacation Week - 19 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
Non teaching week	None	<ul style="list-style-type: none"> <li>• Online Test 1 opened (Friday)</li> </ul>

### Week 6 - 26 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to VPI Photonics Design Suite	None	<b>Online Test 1</b> Due: Week 6 Friday (30 Aug 2019) 11:59 pm AEST

### Week 7 - 02 Sep 2019

Module/Topic	Chapter	Events and Submissions/Topic
Optical Amplifier	Textbook's Chapter 10	<ul style="list-style-type: none"> <li>• Laboratory</li> <li>• Technology Discussion Slides due</li> </ul>

### Week 8 - 09 Sep 2019

Module/Topic	Chapter	Events and Submissions/Topic
Technology Discussion Presentations	None	

### Week 9 - 16 Sep 2019

Module/Topic	Chapter	Events and Submissions/Topic
Optical Modulation	Textbook's Chapter 12 and Chapter 13	<b>Laboratory report</b> Due: Week 9 Friday (20 Sept 2019) 11:59 pm AEST

### Week 10 - 23 Sep 2019

Module/Topic	Chapter	Events and Submissions/Topic
Wavelength Division Multiplexing (WDM)	Textbook's Chapter 12	<b>Technology Discussion Report</b> Due: Week 10 Friday (27 Sept 2019) 11:59 pm AEST

### Week 11 - 30 Sep 2019

Module/Topic	Chapter	Events and Submissions/Topic
Link Design - System Rise Time and Bandwidth	Textbook's Chapter 12	

### Week 12 - 07 Oct 2019

Module/Topic	Chapter	Events and Submissions/Topic
Probability of Errors and Bit Error Rate (BER)	Textbook's Chapter 12	<ul style="list-style-type: none"> <li>• Online Test 2 opened (Friday)</li> </ul> <b>Design Project</b> Due: Week 12 Friday (11 Oct 2019) 11:59 pm AEST

### Review/Exam Week - 14 Oct 2019

Module/Topic	Chapter	Events and Submissions/Topic
None	None	<b>Online Test 2</b> Due: Review/Exam Week Friday (18 Oct 2019) 11:59 pm AEST
<b>Exam Week - 21 Oct 2019</b>		
Module/Topic	Chapter	Events and Submissions/Topic

## Term Specific Information

For non Melbourne based students, intensive teaching and learning activities for this unit are arranged around the middle of term in which students will conduct the laboratory and do VPI Photonics workshops. Attendances of these activities are compulsory as they are crucially important for learning of this Unit. If students could not attend any of these activities, he or she must make alternative arrangements with the Unit Coordinator at the start of term (prior to Week 3).

## Assessment Tasks

### 1 Online Test 1

#### Assessment Type

Online Test

#### Task Description

Online Test 1 is designed to assess student understanding and application of the materials covered between Week 1 and Week 5. This test comprises of multiple choice questions and will be timed. Some of the questions require students to perform designs and calculations to arrive at the correct answers. Please ensure that you read the instructions accompanied the test carefully and understand them clearly prior commencing the test. The test will automatically end when the test time elapses and therefore it is advisable that you move on to the next question if you are getting stuck at the current question. You have only ONE chance to complete the test. Good luck.

#### Assessment Due Date

Week 6 Friday (30 Aug 2019) 11:59 pm AEST

The test will be opened on Friday of the study break week and closed on Friday of Week 6. It is important that the test MUST be completed within this period of time.

#### Return Date to Students

Week 8 Friday (13 Sept 2019)

Test results are to be returned to students immediately after the test is closed.

#### Weighting

15%

#### Assessment Criteria

Online Test 1 aims to assess student understanding and applications of the materials covered between Week 1 and Week 5 inclusively. In particular, the test will include questions relating to the following topics:

- Introduction to optical fibre communication
- Optical Fibre
- Optical sources: Lasers and LEDs
- Optical receivers: PIN and Avalanche photodetectors

#### Referencing Style

- [Harvard \(author-date\)](#)

#### Submission

Online

#### Submission Instructions

Online Test 1 will be opened on Friday of the study break week and closed on Friday of Week 6. It is important that this test MUST be completed within this period of time.

## Learning Outcomes Assessed

- Analyse optical components including advanced models of optical transmitter, receiver and optical fibre

## Graduate Attributes

- Knowledge
- Cognitive, technical and creative skills

## 2 Laboratory report

### Assessment Type

Practical Assessment

### Task Description

The laboratory aims to provide students with hand on experiences with optical fibre components and systems. The laboratory consists of several sessions and will be carried out in Week 7 of the term during which students will perform several experiments/measurements, record observations and results and report their findings. Students will work in a group, however, each student must nominate to work on a specific part of the reports. Collaborations among the students are required to ensure that they can achieve the best possible marks for their group report. Students who do not contribute to the laboratory report by providing their parts will receive a zero mark for the report.

### Assessment Due Date

Week 9 Friday (20 Sept 2019) 11:59 pm AEST

Only one PDF report is submitted per group. This report submission must be accompanied by the team contribution/responsibility matrix.

### Return Date to Students

Week 11 Friday (4 Oct 2019)

Marked reports will be returned to students within 2 weeks after submission.

### Weighting

15%

### Minimum mark or grade

40%

### Assessment Criteria

The detailed marking criteria will be provided within the laboratory document. The assessment criteria focus on the technical details and the demonstrations of understanding and applications of the learnt knowledge, however, there are also some marks allocated for presentation and technical writing. Only one report is required to be submitted per group. No mark will be given for report missing the team contribution/responsibility matrix. **IMPORTANT:** Please be reminded that this assessment has a minimum pass grade of 40% which means if you achieve less than this minimum grade in this assessment, you will immediately and automatically fail this Unit.

### Referencing Style

- [Harvard \(author-date\)](#)

### Submission

Online Group

### Submission Instructions

Only one PDF report is submitted per group. This report submission must be accompanied by the team contribution/responsibility matrix.

## Learning Outcomes Assessed

- Predict system performances through advanced modelling of loss, bandwidth and error rate using the state of the art simulation tools
- Document and communicate professional engineering information, including computer-based simulations and drawings using appropriate electrical engineering standards, terminology and symbols

## Graduate Attributes

- Knowledge
- Communication
- Cognitive, technical and creative skills
- Ethical and Professional Responsibility
- Leadership

# 3 Technology Discussion Report

## Assessment Type

Literature Review or Systematic Review

## Task Description

Students are working in group to conduct a literature review on a topic related to the field of optical fiber communications and/or photonics and summarise their findings in a report of approximately 2000 words (~ 4x A4 pages in length using 12 point font size and single line-spacing). It is important that this report provides an in-depth review of the chosen topic that must be agreed and approved by the Unit Coordinator at the start of the term. Furthermore students are also required to present their literature review to the whole class at the end of the term in Week 12. The presentation will contribute to half of the total mark of this assessment task while the report contributes the remaining half.

## Assessment Due Date

Week 10 Friday (27 Sept 2019) 11:59 pm AEST

Only one PDF report is submitted per group. This report submission must be accompanied by the team contribution/responsibility matrix.

## Return Date to Students

Week 12 Friday (11 Oct 2019)

Marked reports will be returned to students within 2 weeks after submissions.

## Weighting

20%

## Minimum mark or grade

50%

## Assessment Criteria

The technology discussion paper will be assessed based on the quality of the findings and the insights into the reviewed topic. The following format must be strictly adhered to when preparing the literature review:

- 1) Introduction: introduces the topic of literature review and place it in the context of the general applications and uses so that a layperson can easily relate and understand
- 2) Method: explains techniques/methods used to conduct the literature review
- 3) Result: summaries the results/findings of the literature review
- 4) Discussions: provides a critical/in-depth analysis and insightful discussions of the findings and what do they mean to you personally and also identify the frontiers and the knowledge gaps.
- 5) Conclusions: summaries key points from your review/analysis

There will be some mark allocation for the report quality and coherency. To encourage collaboration and teamwork, a matrix showing the contributions of each student must be submitted together with the report. Students who have no contribution to the report will receive a zero mark. **IMPORTANCE:** Please be reminded that this assessment has a minimum pass grade of 50% which means if you achieve less than this minimum grade in this assessment, you will immediately and automatically fail this Unit.

## Referencing Style

- [Harvard \(author-date\)](#)

## Submission

Online Group

## Submission Instructions

Only one PDF report is submitted per group. This report submission must be accompanied by the team contribution/responsibility matrix.

## Learning Outcomes Assessed

- Research advanced topics and emerging technologies in the optical fibre communications field
- Scope, plan, manage and successfully complete engineering projects autonomously and in teams with responsible, ethical and professional attitude regarding the role of engineers.

## Graduate Attributes

- Knowledge
- Communication
- Research
- Ethical and Professional Responsibility
- Leadership

## 4 Design Project

### Assessment Type

Project (applied)

### Task Description

This task requires students to work in a group and use VPI Photonics Design Suite to simulate a sophisticated optical system and prepare a report based on their simulation results. The project consists of two components. The first component is the group work where students work together to complete the system design. The second component is individual student work where each student studies a distinct, predefined aspect of the designed system. Since only a single laboratory report is produced and submitted for each group, students must collaborate together to produce a coherent report. The project mark will be assessed in two parts. The mark for the first part - the group work will be shared by all group's members while the mark for the second part - the individual work will be only given to the student conducted that work. For this reason, students in the same group may have different marks and to maximize marks, students must do well in both parts of the reports. To encourage equal contribution to the project work, a team responsibility matrix must be submitted together with the report. Students who do not contribute to the project work by providing their parts of the report will receive zero mark for this report.

### Assessment Due Date

Week 12 Friday (11 Oct 2019) 11:59 pm AEST

Only one PDF report is submitted per group. This report submission must be accompanied by the team contribution/responsibility matrix.

### Return Date to Students

Exam Week Friday (25 Oct 2019)

Marked reports are returned to students approximately two weeks after submissions.

### Weighting

35%

### Minimum mark or grade

50%

### Assessment Criteria

The detailed marking criteria is provided in the project description/information document. Students shall investigate a sophisticated optical system using VPI Photonics Design Suite and prepare a report of their findings. Only one report is required per group. The assessment criteria will focus on the technical details and the demonstration of understanding and applications of the knowledge learned, however, there will be some marks allocated for technical writing and report presentation. To encourage equal contribution to the project work, a team responsibility matrix must be submitted together with the report. Students who do not contribute to the project work by providing their parts of the report will receive zero mark for this report. **IMPORTANT:** Please be reminded that this assessment has a minimum pass grade of 50% which means if you achieve less than this minimum grade in this assessment, you will immediately and automatically fail this Unit.

### Referencing Style

- [Harvard \(author-date\)](#)

### Submission

Online Group

### Submission Instructions

The report and the responsibility matrix must be submitted on Moodle prior to the report's deadline.

### Learning Outcomes Assessed

- Predict system performances through advanced modelling of loss, bandwidth and error rate using the state of the art simulation tools
- Design sophisticated fibre optic systems using advanced technologies
- Document and communicate professional engineering information, including computer-based simulations and drawings using appropriate electrical engineering standards, terminology and symbols
- Scope, plan, manage and successfully complete engineering projects autonomously and in teams with responsible, ethical and professional attitude regarding the role of engineers.

### Graduate Attributes

- Knowledge
- Cognitive, technical and creative skills
- Research
- Self-management

- Ethical and Professional Responsibility

## 5 Online Test 2

### Assessment Type

Online Test

### Task Description

Online Test 2 is designed to assess student's understanding and applications of the materials covered between Week 6 and Week 12. This test comprises of multiple choice questions and will be timed. Some of the questions require students to perform a design and/or calculations to arrive at the correct answers. Please ensure that you read the instructions accompanied the test carefully and understand them clearly prior commencing the test. The test will automatically end when the test time elapses and therefore it is advisable that you move on the next question if you are getting stuck at the current question. You have only ONE chance to complete this test. Good luck.

### Assessment Due Date

Review/Exam Week Friday (18 Oct 2019) 11:59 pm AEST

The test will be opened on Friday of Week 12 and closed on Friday of the Review/Exam Week (Week 13). It is important that the test MUST be completed within this period.

### Return Date to Students

Exam Week Friday (25 Oct 2019)

Test results are to be returned to students immediately after the test is closed.

### Weighting

15%

### Assessment Criteria

Online Test 2 aims to assess student's understanding and applications of the materials covered between Week 6 and Week 12 inclusively. In particular, the test will include questions relating to the following topics:

- VPI Photonics simulations of optical fibre and photonics systems
- Optical amplifications and EDFA
- Optical modulations
- Wavelength Division Multiplexing (WDM)
- Link design - System Rise Time and Bandwidth
- Bit error rate (BER) and probability of error

### Referencing Style

- [Harvard \(author-date\)](#)

### Submission

Online

### Submission Instructions

Online Test 2 will be opened on Friday of Week 12 and closed on Friday of Week 13 (Review/Exam Week). It is important that this test MUST be completed within this period.

### Learning Outcomes Assessed

- Analyse optical components including advanced models of optical transmitter, receiver and optical fibre

### Graduate Attributes

- Knowledge
- Cognitive, technical and creative skills

## 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