



# MEDI11002 *Physics for Health Sciences*

## Term 1 - 2022

Profile information current as at 04/05/2024 04:51 am

All details in this unit profile for MEDI11002 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 creates the foundations for an understanding of physics as it applies to our world around us, our bodies and our clinical environments. You will learn how to explain observed phenomena, predict changing behaviour and communicate using science conventions. You will apply problem-solving skills and knowledge of physics to find reasonable solutions to both word- and numerical-based situations.

### 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 - 2022

- Mackay
- Online

### 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: 40%

#### 2. **Online Test**

Weighting: 60%

### 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 Student informal communications, instructor reflection

##### **Feedback**

The final test has been provided as a Word document for students to complete offline and upload by the due date/time. While it does have the advantage of using Turnitin to check originality, there are disadvantages. Some students did not read instructions regarding the need to submit by the deadline.

##### **Recommendation**

Administer the final online test as a Moodle quiz.

#### Feedback from Student Have Your Say feedback, instructor reflections

##### **Feedback**

The two written assignments are intended to provide students opportunities to get feedback on the response writing in advance of the final test. Student feedback indicates that most students found both the assessment task and the assessment feedback useful for their learning. Many students spend a large quantity of time constructing a relatively small number of responses for those assignments. They are then unprepared for the time management required of them in the final test.

##### **Recommendation**

Review the assessment strategy with the teaching team to replace one or more of the written assignments with an online test that includes long answer responses.

#### Feedback from Teaching team observations

##### **Feedback**

A critical part of the learning strategy for this unit is the weekly tutorial where students are able to share their prepared responses to posted questions and learn how to improve responses relative to assessment criteria. Even with these weekly sessions included in the timetable to ensure students plan their availability for the class, relatively few students attend. Many students do not recognise how the tutorials help them build skills for assessment as well as supporting theory knowledge. Many students also do not understand how the assessment criteria are applied to the marking or how to use the feedback provided. If students see a more explicit connection between tutorials and assessment success, participation may increase.

##### **Recommendation**

Modify the weekly tutorial plan to include discussion of one sample test question to analyse and include sample responses that are critiqued relative to assessment criteria.

## Unit Learning Outcomes

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

1. Discuss fundamental concepts, theories and principles of classical mechanics, matter, heat, sound, electromagnetism, electromagnetic energy and the atom
2. Apply fundamental physics concepts, theories and principles to explain physical phenomena of everyday life and clinical situations and to predict outcomes under changing conditions
3. Use problem-solving and numeracy skills, knowledge of fundamental physics concepts, theories and principles, and standard conventions of science communication to present reasonable solutions to problems.

## 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
1 - Online Quiz(zes) - 40%	•	•	•
2 - Online Test - 60%	•	•	•

### Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes		
	1	2	3
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

MEDI11002

#### Prescribed

##### Conceptual Physics

Edition: 12th global (2015)

Authors: Paul G. Hewitt

Pearson Education Limited

Harlow, Essex, England

ISBN: 9781292057538

Binding: eBook

#### Additional Textbook Information

Both the e-book and the hard copy text (if that is your preference) can be purchased through the CQUni Bookshop. Go to <http://bookshop.cqu.edu.au> then search using the Unit code. The e-book gives you 5 years of access using Bookshelf online plus lifetime access for your downloaded copy.

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

For further information, see the Assessment Tasks.

## Teaching Contacts

**Reshmi Kumar** Unit Coordinator

[r.d.kumar@cqu.edu.au](mailto:r.d.kumar@cqu.edu.au)

## Schedule

### Week 1 - 07 Mar 2022

Module/Topic	Chapter	Events and Submissions/Topic
<ul style="list-style-type: none"><li>• Science Fundamentals</li><li>• Deductive Logic and Problem-solving</li><li>• Using learning goals in your study</li><li>• Introduction to Kinematics</li><li>• Newton's First Law of Motion</li><li>• Newton's Second and Third Laws of Motion</li></ul>	Conceptual Physics - Excerpts from Chapters 2, 3, 4 & 5 'Chapter 1: Physics and the Life Sciences' from <i>Physics for the Life Sciences</i> 2nd ed. by Zinke-Allemang, Sills, Nejat, Galiano-Riveros.	Tutorial on core skills for this unit

### Week 2 - 14 Mar 2022

Module/Topic	Chapter	Events and Submissions/Topic
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- Momentum, Energy, Power, Centre of Mass
- States of Matter

Conceptual Physics - Excerpts from Chapters 6 & 7, 11 - 14

Tutorial on Week 1 content

### Week 3 - 21 Mar 2022

Module/Topic	Chapter	Events and Submissions/Topic
<ul style="list-style-type: none"> <li>• Pressure</li> <li>• Static and Flowing Fluids</li> <li>• Pressure in Gases</li> <li>• Heat and Temperature</li> </ul>	Conceptual Physics - Excerpts from Chapters 11 - 13 'Chapter 14: Fluid Dynamics of Non-Viscous Fluids' from <i>Introduction to Biological Physics for the Health and Life Sciences</i> by Franklin, Muir, Scott, Wilcocks & Yates	Tutorial on Week 2 content

### Week 4 - 28 Mar 2022

Module/Topic	Chapter	Events and Submissions/Topic
<ul style="list-style-type: none"> <li>• Fundamentals of Traveling Waves</li> <li>• Sound</li> <li>• Doppler Effect</li> </ul>	Conceptual Physics - Excerpts from Chapters 14, 15, 16, 18 & 19	Tutorial on Week 3 content

### Week 5 - 04 Apr 2022

Module/Topic	Chapter	Events and Submissions/Topic
<ul style="list-style-type: none"> <li>• Electrostatics</li> <li>• Introduction to Electrodynamics (moving charges) and electrical circuits</li> </ul>	Conceptual Physics - Excerpts from Chapters 19, 20 & 21	Tutorial on Week 4 content  <b>In-term online test 1.</b> This test will be available from 8:00am - 8:00pm AEST on <b>Thursday 7th April 2022</b> . This test is time-limited to 45 minutes once its opened and will close automatically once 45 minutes is up.

### Vacation Week - 11 Apr 2022

Module/Topic	Chapter	Events and Submissions/Topic
Break Week		

### Week 6 - 18 Apr 2022

Module/Topic	Chapter	Events and Submissions/Topic
<ul style="list-style-type: none"> <li>• Electrical supply and circuits</li> </ul>	Conceptual Physics - Excerpts from Chapters 22 & 23	Tutorial on Week 5 content

### Week 7 - 25 Apr 2022

Module/Topic	Chapter	Events and Submissions/Topic
<ul style="list-style-type: none"> <li>• Electric shock and safety practices</li> </ul>	Conceptual Physics Chapter 23 (see also assigned reading from online resources)	Tutorial on Week 6 content

### Week 8 - 02 May 2022

Module/Topic	Chapter	Events and Submissions/Topic
<ul style="list-style-type: none"> <li>• Magnetism</li> <li>• Electromagnetism</li> </ul>	Conceptual Physics - Excerpts from Chapters 24 & 25	Tutorial on Week 7 content

### Week 9 - 09 May 2022

Module/Topic	Chapter	Events and Submissions/Topic
<ul style="list-style-type: none"> <li>• Electromagnetic Energy</li> <li>• Quanta</li> <li>• Forms of Electromagnetic Energy</li> </ul>	Conceptual Physics - Excerpts from Chapters 26, 30 & 31	Tutorial on Week 8 content

### Week 10 - 16 May 2022

Module/Topic	Chapter	Events and Submissions/Topic
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Tutorial on Week 9 content

- Visible light
- Introduction to optics

Conceptual Physics - Excerpts from Chapters 26 - 30

**In-term online test 2.** *This test will be available from 9:00am - 10:30am AEST on **Thursday 19th May 2022**. This test is time-limited to 60 minutes once its opened and will close automatically once 60 minutes is up.*

#### Week 11 - 23 May 2022

Module/Topic	Chapter	Events and Submissions/Topic
<ul style="list-style-type: none"><li>• Ionising Radiation</li><li>• X-ray Production</li><li>• Radioactive Emissions</li></ul>	Conceptual Physics - Excerpts from Chapters 32 - 33	Tutorial on Week 10 content

#### Week 12 - 30 May 2022

Module/Topic	Chapter	Events and Submissions/Topic
Revision and consolidation		Tutorial on Week 11 content Q&A revision tutorial

#### Review/Exam Week - 06 Jun 2022

Module/Topic	Chapter	Events and Submissions/Topic
		<b>Final Online Test</b> Due: Review/Exam Week Wednesday (8 June 2022) 11:00 am AEST

## Term Specific Information

You are expected to spend on average 10 - 12 hours of time each week in your study activities for this unit. A suggested time budget for weekly study is:

- 2 - 2½ hours for watching recorded lectures and taking notes
- 1 - 1½ hours for completing assigned reading
- ½ - 1 hour for completing other posted learning activities
- 2 - 2½ hours for creating study notes to meet weekly learning goals using the lectures and readings
- 1 - 1½ hours for applying weekly content using posted end-of-chapter questions
- ½ - 1 hour for working on posted tutorial questions in preparation for tutorial
- 1 hour for participation in tutorial
- 1 - 2 hours for preparation and/or revision for assessments

Tutorials are interactive sessions where your participation enables you to check your understanding of and your ability to apply the week's concepts and for you to build your skills in responding to test questions. From Week 2 onward, the scheduled tutorial covers concepts from the previous week. This enables you to use the tutorial to consolidate your knowledge from the week's study. Your regular participation in tutorials strongly supports your success in the unit. While recordings of online tutorials will be provided (if there is sufficient student attendance), these recordings are not intended to replace your active participation in live sessions.

## Assessment Tasks

### 1 In-term online tests

#### Assessment Type

Online Quiz(zes)

#### Task Description

As a future healthcare professional, you need to be able to harness core physical concepts and terminology to predict and explain observations in your clinical environment. You will be required to complete two In-term online tests during the term. The aim of these In-term online tests is for you to demonstrate your knowledge, understanding and ability to apply core physics concepts and correct use of terminology that you will be learning in this unit.

Both the tests will be made available via the unit Moodle site. Each In-term online test will be time-limited and once you open the test, you will not be able to pause or restart it. Once opened, the In-term online tests will remain open for a specified duration and will automatically close once the specified time is up. Any unanswered questions or unsaved responses will receive a mark of zero.

### In-term online test 1

- The test contributes 15% towards the final unit grade.
- *This test will be held on **Thursday 7th April 2022 in Week 5** and it will be assessing the first three weeks (i.e. Weeks 1-3) of content covered in this unit.*
- The test will be available from 8:00am - 8:00pm AEST on Thursday 7th April 2022.
- *This test is time-limited to 45 minutes once its opened and will close automatically once 45 minutes is up.*

### In-term online test 2

- The test contributes 25% towards the final unit grade.
- *This test will be held on **Thursday 19th May 2022 in Week 10** and it will be focusing on content covered from Weeks 4-8 in the unit. You will also be expected to integrate concepts and apply terminology from the first three weeks of study when completing this test.*
- The test will be available from 9:00am - 10:30am AEST on Thursday 19th May 2022.
- *This test is time-limited to 60 minutes once its opened and will close automatically once 60 minutes is up.*

All questions will be based on the posted weekly learning goals. Question tasks will be a similar type to those discussed in weekly tutorials. The tasks may include analysis of diagrams, photographs and/or images. Questions may include quiz-style questions (for example multiple choice, fill-in -the blank, matching), true/false with explanation and written response. When completing the test, you will be required to:

- demonstrate logical application of concepts and ability to articulate them
- discuss the physics related to a given situation in terms of explaining why the situation has occurred, what would happen if the situation was altered in a specific way, how to achieve a specific outcome in altering the situation and/or what outcome would logically follow the occurrence of the situation
- solve numerical problem
- use terminology correctly

The number of marks for each question are allocated based on the depth and breadth of the required response and will be indicated on the test.

**This is an open book test.** It means that during the test you may access your study notes, textbook, the unit Moodle site and/or any website. Although the test is an open book assessment, you must remain mindful of the time you are taking to answer each question and have an understanding of the content and also familiarity with your resources to use them effectively. You should not expect to have the time to consult your notes and/or other resources for every question.

**The standards of academic integrity still apply.** Just as for the written assignments, you must acknowledge content that is not your own - if you paraphrase from external sources other than the textbook or lectures, you must formally cite your source. If you copy any content word-for-word from ANY source, you must put that content in quotation marks and formally cite your source.

**Your test response must be your own work.** You cannot seek assistance or make use of assistance from another person during the test. You may not communicate with any other person during the test (whether verbally, electronically or in writing) for any purpose relating to the test questions or your responses. You may not share the test content with any other person for any reason. At the start of the test, you will need to make a declaration that you understand these rules of academic integrity and that you agree to abide by them. Any identified cases of potential collusion will result in a breach of academic integrity case being raised.

You will need to ensure that you have reliable internet access and a computer for this test. It is highly recommended that you do not attempt the test using a tablet or smartphone due to the quantity of typing required.

It is your responsibility to log on to the unit Moodle site and complete the online test during the time the test is available. If you start the test late, you will still be required to submit at the stated closing time. In the absence of an approved extension, you cannot complete this assessment at a later time, and you will receive a mark of zero for the assessment if you have not submitted it by the scheduled date and time.

### Number of Quizzes



## Frequency of Quizzes

Other

## Assessment Due Date

In-term online test 1 will be available from 8:00am - 8:00pm AEST on Thursday 7th April 2022. This test is time-limited to 45 minutes once its opened and will close automatically once 45 minutes is up. In-term online test 2 will be available from 9:00am - 10:30am AEST on Thursday 19th May 2022. This test is time-limited to 60 minutes once its opened and will close automatically once 60 minutes is up.

## Return Date to Students

Feedback for each In-term online test will be provided within two weeks of the due date for the test.

## Weighting

40%

## Assessment Criteria

Question responses will be scored on the following criteria:

- correct use of terminology
- correct selection and application of core concepts to the specific content of the question
- clarity, correctness, relevance and completeness of the response in addressing the question that was asked
- critical thinking

The expected depth of response to each question is indicated by the number of marks for the question. unless otherwise specified, you are expected to provide one key factual or logical point (typically one to two sentences) for each mark (For example, a question worth five marks should have five key points included in the response).

## Referencing Style

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

## Submission

Online

## Learning Outcomes Assessed

- Discuss fundamental concepts, theories and principles of classical mechanics, matter, heat, sound, electromagnetism, electromagnetic energy and the atom
- Apply fundamental physics concepts, theories and principles to explain physical phenomena of everyday life and clinical situations and to predict outcomes under changing conditions
- Use problem-solving and numeracy skills, knowledge of fundamental physics concepts, theories and principles, and standard conventions of science communication to present reasonable solutions to problems.

# 2 Final Online Test

## Assessment Type

Online Test

## Task Description

As a future healthcare professional, you need to be able to harness core physical concepts and terminology to predict and explain observations in your clinical environment. You will complete a 90 minute time-limited final online test. The purpose of this test is for you to demonstrate your knowledge, understanding and ability to apply core physics concepts and correct use of terminology that you will be learning in this unit.

This test will be made available via the unit Moodle site on from 9:00am to 11:00am AEST on **Wednesday 8th June 2022 in Review/Exam Week**. Note that the posted due date/time is the submission time, not the test start time. The test will be time-limited to 90 minutes and once you open the test, you will not be able to pause or restart it. Once opened, the test will remain open for 90 minutes and will automatically close once 90 minutes is up (or at the submission time if you have started the test with less than 90 minutes to the submission time) . Any unanswered questions or unsaved responses will receive a mark of zero.

It is your responsibility to log on to the unit Moodle site and complete the online test during the time the test is available. If you start the test late, you will still be required to submit at the stated closing time.

All questions will be based on the posted weekly learning goals. Question tasks will be a similar type to those discussed in weekly tutorials. The tasks may include analysis of diagrams, photographs and/or images. Questions may include

quiz-style questions (for example multiple choice, fill-in -the blank, matching), true/false with explanation and written response. When completing the test, you will be required to:

- demonstrate logical application of concepts and ability to articulate them
- discuss the physics related to a given situation in terms of explaining why the situation has occurred, what would happen if the situation were altered in a specific way, how to achieve a specific outcome in altering the situation and/or what outcome would logically follow the occurrence of the situation
- solve numerical problem
- use terminology correctly

The number of marks for each question are allocated based on the depth and breadth of the required response and will be indicated on the test.

**This is an open book test.** It means that during the test you may access your study notes, textbook, the unit Moodle site and/or any website. Although the test is an open book assessment, you must remain mindful of the time you are taking to answer each question and have an understanding of the content and also familiarity with your resources to use them effectively. You should not expect to have the time to consult your notes and/or other resources for every question.

**The standards of academic integrity still apply.** Just as for the written assignments, you must acknowledge content that is not your own - if you paraphrase from external sources other than the textbook or lectures, you must formally cite your source. If you copy any content word-for-word from ANY source, you must put that content in quotation marks and formally cite your source.

**Your test response must be your own work.** You cannot seek assistance or make use of assistance from another person during the test. You may not communicate with any other person during the test (whether verbally, electronically or in writing) for any purpose relating to the test questions or your responses. You may not share the test content with any other person for any reason. At the start of the test, you will need to make a declaration that you understand these rules of academic integrity and that you agree to abide by them. Any identified cases of potential collusion will result in a breach of academic integrity case being raised.

You will need to ensure that you have reliable internet access and a computer for this test. It is highly recommended that you do not attempt the test using a tablet or smartphone due to the quantity of typing required.

In the absence of an approved extension, you cannot complete this assessment at a later time, and you will receive a mark of zero for the assessment if you have not submitted it by the scheduled date and time.

#### **Assessment Due Date**

Review/Exam Week Wednesday (8 June 2022) 11:00 am AEST

#### **Return Date to Students**

Two weeks after the final test date.

#### **Weighting**

60%

#### **Minimum mark or grade**

50%

#### **Assessment Criteria**

Question responses will be scored on the following criteria:

- correct use of terminology
- correct selection and application of core concepts to the specific content of the question
- clarity, correctness, relevance and completeness of the response in addressing the question that was asked
- critical thinking

#### **Referencing Style**

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

#### **Submission**

Online

#### **Learning Outcomes Assessed**

- Discuss fundamental concepts, theories and principles of classical mechanics, matter, heat, sound, electromagnetism, electromagnetic energy and the atom
- Apply fundamental physics concepts, theories and principles to explain physical phenomena of everyday life and clinical situations and to predict outcomes under changing conditions
- Use problem-solving and numeracy skills, knowledge of fundamental physics concepts, theories and principles, and standard conventions of science communication to present reasonable solutions to problems.

## 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