



# PSIO12002 *Cardiorespiratory Physiotherapy*

## Term 2 - 2019

Profile information current as at 12/05/2024 06:15 pm

All details in this unit profile for PSIO12002 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 knowledge and skills relating to the comprehensive management of clients with acute and chronic cardiorespiratory conditions across the spectrum of health care. You will apply principles of evidence-based and client-centred approach to physiotherapy management in the context of biological, social and psychological factors. You will relate the role of the physiotherapist working in a hospital and community care facilities to that of the interprofessional team, family members and carers of clients with cardiorespiratory conditions.

#### Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

#### Pre-requisites or Co-requisites

To enrol in this unit you must be enrolled in the CB85 Course and meet the following pre-requisites: PSIO11003 - Foundations of Physiotherapy Practice 2 BMSC11007 - Medical Anatomy and Physiology 1 BMSC11008 - Medical Anatomy and Physiology 2ESSC12001 - Exercise and Sport Physiology

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

- Bundaberg
- Rockhampton

#### Attendance Requirements

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

#### Website

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

## Class and Assessment Overview

### Recommended Student Time Commitment

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

### Class Timetable

#### [Regional Campuses](#)

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

#### [Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

### Assessment Overview

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

Weighting: 15%

#### 2. **In-class Test(s)**

Weighting: 35%

#### 3. **On-campus Activity**

Weighting: Pass/Fail

#### 4. **Objective Structured Clinical Examinations (OSCEs)**

Weighting: 50%

### Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

## CQUniversity Policies

**All University policies are available on the [CQUniversity Policy site](#).**

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

## Previous Student Feedback

### Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

#### Feedback from Have Your Say, verbal, emails

##### **Feedback**

Students commented on the teaching team, their knowledge, teaching techniques and their support throughout term.

##### **Recommendation**

Unit coordinator to continue current practice. Teaching team planning and preparation to be considered moving into 2019.

#### Feedback from Have Your Say, verbal, emails

##### **Feedback**

Students commented on the resources, weekly summaries and checklists provided throughout term assisting their learning.

##### **Recommendation**

Unit coordinator to continue current practice, look to formalise it for 2019.

#### Feedback from Weekly issues, Have Your Say, verbal

##### **Feedback**

Technical issues impacting on the quality of guest lectures from external facilities.

##### **Recommendation**

Unit coordinator to explore better options for guest lecturers to dial in from outside CQU to ensure that there are less disruptions to the sessions.

## Unit Learning Outcomes

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

1. Discuss the pathological processes, the symptomatology, clinical course, medical and pharmacological management and prognosis in clients with cardiorespiratory conditions
2. Develop, implement and evaluate evidence-based assessment and treatment for clients with cardiorespiratory conditions, through acute to chronic conditions
3. Explain how biological, social, and psychological factors inform a physiotherapy intervention plan for clients with cardiorespiratory conditions
4. Relate the role of physiotherapy to the management of cardiorespiratory conditions and pathologies using both an interprofessional and client-centred approach
5. Demonstrate acceptable professional and ethical behaviours consistent with a physiotherapy practitioner.

The Learning Outcomes and Assessment tasks have been mapped against and aligned with the Physiotherapy Practice Thresholds in Australia and Aotearoa New Zealand.

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
1 - In-class Test(s) - 15%	•				
2 - In-class Test(s) - 35%	•	•	•	•	
3 - On-campus Activity - 0%					•
4 - Objective Structured Clinical Examinations (OSCEs) - 50%		•	•	•	•

## Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
1 - Communication	•	•	•	•	•
2 - Problem Solving	•	•	•	•	•
3 - Critical Thinking	•	•	•	•	•
4 - Information Literacy	•	•	•	•	•
5 - Team Work		•	•	•	•
6 - Information Technology Competence					
7 - Cross Cultural Competence	•	•	•	•	•
8 - Ethical practice	•	•	•	•	•
9 - Social Innovation					
10 - Aboriginal and Torres Strait Islander Cultures					

## Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - In-class Test(s) - 15%	•	•	•	•			•	•		
2 - In-class Test(s) - 35%	•	•	•	•			•	•		
3 - On-campus Activity - 0%								•		
4 - Objective Structured Clinical Examinations (OSCEs) - 50%	•	•	•	•	•		•	•		

## Textbooks and Resources

### Textbooks

PSIO12002

#### Prescribed

##### **Cardiorespiratory Physiotherapy: Adults and Paediatric**

Edition: 5th (2016)

Authors: Main, E and Denehy, L

Elsevier

London , UK

ISBN: 9780702047312

Binding: Paperback

PSIO12002

#### Prescribed

##### **Pharmacology Handbook for Physiotherapists**

Edition: 1st (2017)

Authors: Reznik, Keren, Morris and Biran

Elsevier

Sydney , NSW , Australia

ISBN: 9780729542142

Binding: Paperback

[View textbooks at the CQUniversity Bookshop](#)

### IT Resources

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

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)

## Referencing Style

All submissions for this unit must use the referencing style: [American Psychological Association 6th Edition \(APA 6th edition\)](#)

For further information, see the Assessment Tasks.

## Teaching Contacts

**Tanya Palmer** Unit Coordinator

[t.palmer@cqu.edu.au](mailto:t.palmer@cqu.edu.au)

## Schedule

### Week 1 - 15 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
<b>A:</b> Introduction to Cardiorespiratory Physiotherapy, Subjective Assessment of the Cardiorespiratory patient	Main and Denehy Text - Chapter 2 - pages 48 - 73 & Chapter 6 - pages 196 - 226	Revision Physiology tutorial
<b>B:</b> Objective Assessment of a Cardiorespiratory patient	Pharmacology Text - Chapter 1 Refer to Moodle for additional resources	Main and Denehy Text Chapter 1 - pages 2 - 23

### Week 2 - 22 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
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<b>A:</b> Spirometry & Breathing Exercises <b>B:</b> Chest x-rays	<b>A:</b> Main and Denehy Text - Chapter 1 - pages 23 - 26 & Chapter 7 - pages 308 - 334, 342 - 377 <b>B:</b> Main and Denehy Text - Chapter 3 Refer to Moodle for additional resources.	<b>E-learning modules</b> - Skills Development Centre - An Introduction to Chest Radiographs
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### Week 3 - 29 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
<b>A:</b> Arterial Blood Gases & Oxygen therapy <b>B:</b> Airway Clearance Techniques	Main and Denehy Text - Chapter 1 - pages 26 - 33 , Chapter 7 - pages 250 - 292, 334 - 342 Refer to Moodle for additional resources.	<b>E-learning modules</b> - Skills Development Centre - Oxygen Therapy

### Week 4 - 05 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
<b>A: Mid Unit In-Class Test</b> & Airway Clearance Techniques <b>B:</b> ECG interpretation & Physiotherapy Management of Acute Cardiac patients	Main and Denehy Text - Chapter 1 - pages 40 - 46 & Chapter 4 Pharmacology Text - Chapter 2 Refer to Moodle for additional resources.	<b>Mid Unit In-Class Test</b> Due: Week 4 Tuesday (6 Aug 2019) 11:00 am AEST

### Week 5 - 12 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
<b>A:</b> Physiotherapy Management of a Medical Patient <b>B:</b> Physiotherapy Management of a Surgical Patient	Main and Denehy Text - Chapters 5, 8, and 11 Pharmacology Text - Chapters 3 and 7 Refer to Moodle for additional resources.	

### Vacation Week - 19 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
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### Week 6 - 26 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
<b>A:</b> Physiotherapy Management of a Paediatric Patient <b>B:</b> Humidified Oxygen & Non-invasive Ventilation	Main and Denehy Text - Chapter 1 - pages 34-38, Chapter 2 - pages 74-77, Chapter 7 - pages 292-308 Hough 5th Ed Text - Chapters 15 & 16 Additional : Main and Denehy Text - Chapter 10 & Chapter 13 - pages 709-721 Refer to Moodle for additional resources.	

### Week 7 - 02 Sep 2019

Module/Topic	Chapter	Events and Submissions/Topic
<b>A:</b> Physiotherapy in ICU <b>B:</b> Physiotherapy in ICU	Main and Denehy Text - Chapter 9 & Chapter 13 - pages 733-740 Refer to Moodle for additional resources.	<b>E-learning modules</b> - Skills Development Centre - PaCCMan - Airway suctioning via Oropharynx and Nasopharynx

### Week 8 - 09 Sep 2019

Module/Topic	Chapter	Events and Submissions/Topic
<b>A:</b> Management of Cardiorespiratory Trauma Patients <b>B:</b> Complex Acute Cardiorespiratory Patient Management	Main and Denehy Text - Chapter 1 - pages 77-80, Chapter 13 - pages 700-709 Refer to Moodle for additional resources.	

### Week 9 - 16 Sep 2019

Module/Topic	Chapter	Events and Submissions/Topic
<b>A:</b> Role of Outpatient Cardiorespiratory Physiotherapy & Management of a Sub-Acute Cardiorespiratory Patient <b>B:</b> Management of Chronic Respiratory patients	Main and Denehy Text - Chapter 12 - pages 579-597 Refer to Moodle for additional resources.	
<b>Week 10 - 23 Sep 2019</b>		
Module/Topic	Chapter	Events and Submissions/Topic
<b>A:</b> Management of Cardiac and Heart Failure patients <b>B:</b> Pre and Post Transplantation	Main and Denehy Text - Chapter 12 - pages 597-627, Chapter 13 - pages 682-699 Refer to Moodle for additional resources.	<b>Hurdle</b> - E-learning Module certificates due
<b>Week 11 - 30 Sep 2019</b>		
Module/Topic	Chapter	Events and Submissions/Topic
<b>A:</b> Management of Spinal Cord and Neuro-degenerative Disease patients <b>B:</b> Palliative Care of Cardiorespiratory patients	Main and Denehy Text - Chapter 13 - pages 658-682 Hough 5th Ed Text - Chapter 19 Refer to Moodle for additional resources.	
<b>Week 12 - 07 Oct 2019</b>		
Module/Topic	Chapter	Events and Submissions/Topic
<b>A: End of Term In-Class Test</b> and Revision <b>B:</b> Revision		<b>End of Term In-Class Test</b> Due: Week 12 Tuesday (8 Oct 2019) 11:00 am AEST
<b>Review/Exam Week - 14 Oct 2019</b>		
Module/Topic	Chapter	Events and Submissions/Topic
		<b>Practical Assessment - OSCE</b>
<b>Exam Week - 21 Oct 2019</b>		
Module/Topic	Chapter	Events and Submissions/Topic
		<b>Practical Assessment - OSCE</b>

## Assessment Tasks

### 1 Mid Unit In-Class Test

#### Assessment Type

In-class Test(s)

#### Task Description

This in-class test has been designed to assess your knowledge and ability to interpret cardiorespiratory assessments and investigations. This assessment will consist of multiple answer, true/false and short answer questions based on clinical case studies.

**Weighting:** This in-class test will contribute to 15% of the total unit grade.

**Conditions:** This in-class test will consist of up to 30 questions worth a total 60 marks, and will have a time limit of one and a half hours. It will be a written test under closed-book assessment conditions, therefore access to books, notes, external websites and use of other electronic devices is strictly prohibited during the test. Students will not be allowed to exit the room until after all students have finished. Students must complete this in-class test on either the Bundaberg or Rockhampton campuses to be eligible to pass the course overall.

#### Assessment Due Date

Week 4 Tuesday (6 Aug 2019) 11:00 am AEST

Mid-Unit In-Class Test will be completed in the scheduled class time

#### Return Date to Students

Results will be returned to students no later than two weeks after the completion of in-class test.

**Weighting**

15%

**Assessment Criteria**

Students are required to complete this assessment to be eligible to pass the unit. No minimum grade is required to be achieved to be eligible to pass the unit.

**Referencing Style**

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

**Submission**

Offline

**Learning Outcomes Assessed**

- Discuss the pathological processes, the symptomatology, clinical course, medical and pharmacological management and prognosis in clients with cardiorespiratory conditions

**Graduate Attributes**

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Cross Cultural Competence
- Ethical practice

## 2 End of Term In-Class Test

**Assessment Type**

In-class Test(s)

**Task Description**

This in-class test has been designed to assess your clinical reasoning processes and evidence based knowledge. Questions may include other formats such as multiple choice, true/false, fill in the blanks, short and long answer questions. This assessment will include all content covered in this unit from weeks 1-11, including lectures, tutorials, practicals and readings.

**Weighting:** This in-class test will contribute to 35% of the total unit grade.

**Conditions:** This in-class test will consist of up to 50 questions worth a total 105 marks, and will have a time limit of two and half hours. It will be a written test under closed-book assessment conditions, therefore access to books, notes, external websites and use of other electronic devices is strictly prohibited during the test. Students must complete this in-class test on either the Bundaberg or Rockhampton campuses.

**Assessment Due Date**

Week 12 Tuesday (8 Oct 2019) 11:00 am AEST

End of Unit In-Class Test will be completed in the scheduled class time

**Return Date to Students**

Results will be returned to students no later than two weeks after the completion of in-class test.

**Weighting**

35%

**Minimum mark or grade**

Students must receive a minimum of 50% in this in-class test to be eligible to pass the course overall.

**Assessment Criteria**

Student must receive a minimum of 50% in this in-class test to be eligible to pass the course overall.

**Referencing Style**

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

**Submission**

Offline

**Learning Outcomes Assessed**

- Discuss the pathological processes, the symptomatology, clinical course, medical and pharmacological



- management and prognosis in clients with cardiorespiratory conditions
- Develop, implement and evaluate evidence-based assessment and treatment for clients with cardiorespiratory conditions, through acute to chronic conditions
- Explain how biological, social, and psychological factors inform a physiotherapy intervention plan for clients with cardiorespiratory conditions
- Relate the role of physiotherapy to the management of cardiorespiratory conditions and pathologies using both an interprofessional and client-centred approach

#### **Graduate Attributes**

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Cross Cultural Competence
- Ethical practice

### **3 Hurdles**

#### **Assessment Type**

On-campus Activity

#### **Task Description**

##### **85% attendance requirement for tutorial and practical sessions**

At least 85% attendance of tutorial sessions is required for a PASS grade. If there is a genuine reason for being absent, students need to inform the Unit Coordinator as soon as possible.

A minimum attendance requirement of 85% is recommended from the Australian Physiotherapy Council for all tutorials and practical sessions. The monitoring of attendance will take into consideration legitimate reasons for absence, such as those outlined in the Assessment of Coursework Procedures (1.21.1 and 1.21.3), and these will not be counted as absence for the purpose of this attendance requirement.

#### **E-learning modules**

Students are required to complete e-learning modules relevant to Cardiorespiratory Physiotherapy, certificates gained at the completion of the modules are required to be submitted to moodle by 4pm Friday 27th September week 10.

#### **Assessment Due Date**

Submit online via moodle

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

#### **Weighting**

Pass/Fail

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

A PASS grade is required in order to pass the unit.

#### **Assessment Criteria**

Hurdle tasks are pass/fail assessment items. Students must complete and pass each hurdle task.

#### **Referencing Style**

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

#### **Submission**

Online

#### **Learning Outcomes Assessed**

- Demonstrate acceptable professional and ethical behaviours consistent with a physiotherapy practitioner.

#### **Graduate Attributes**

- Ethical practice

### **4 OSCE**

#### **Assessment Type**

Objective Structured Clinical Examinations (OSCEs)

#### **Task Description**

The OSCE will be based on two case scenarios (simulated patients), and students will perform and discuss aspects of

relevant assessment, treatment and overall management of the conditions presented. The OSCE will last for approximately 30 minutes, and may be video and audio-recorded for moderation purposes. Students should be prepared to model for other examinees after completing their own assessment and students from other year groups may also act as models during the assessment as required.

### **Assessment Due Date**

The OSCE will take place during the exam weeks in term 2. An individual assessment timetable will be published prior to the end of Term 2.

### **Return Date to Students**

Results and feedback will become available within two weeks of the assessment.

### **Weighting**

50%

### **Minimum mark or grade**

Students must pass the Risk Management/Safety component of the assessment rubric and a minimum mark of 50% in the OSCE is required in order to pass this unit.

### **Assessment Criteria**

In order to PASS the Objective Structured Clinical Examination (OSCE) you must:

1) achieve a PASS result for the PASS/FAIL component of Risk Management/Safety for each of the two clinical scenarios (i.e. PASS for clinical scenario one and PASS for clinical scenario two).

AND

2) achieve 50% or higher in the graded component for each of the two clinical scenarios (i.e. a minimum of 50% for clinical scenario one and a minimum of 50% for clinical scenario two).

If you do not meet the above criteria for each clinical scenario, you will be eligible for one opportunity to resit the entire OSCE assessment task, provided you have achieved an overall grade equal to, or higher than 44.5% for your OSCE.

OSCE re-sit conditions:

- 1) If you meet the eligibility criteria for a re-sit, you will be given only one re-sit opportunity to pass the OSCE.
- 2) The re-sit will be assessed by up to two examiners and will be of an equivalent format to the original assessment task.
- 3) Where possible, the re-sit will be conducted within two weeks from the release of grades.
- 4) The assessment criteria of the re-sit will be identical to the original OSCE.
- 5) If you pass the re-sit you will receive a grade of exactly 50% for the OSCE (i.e. 25% of the Unit grade), irrespective of your achievement for the graded component. This is to ensure equity to those students who only had one attempt.

If you do not meet the requirements to be offered a re-sit, you will receive your original grade and may be offered a supplementary assessment in line with CQUniversity Policy.

If you do not PASS the re-sit, you will receive a grade equal to your resit OSCE grade and may be offered a supplementary assessment in line with CQUniversity Policy.

### **Referencing Style**

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

### **Submission**

Offline

### **Learning Outcomes Assessed**

- Develop, implement and evaluate evidence-based assessment and treatment for clients with cardiorespiratory conditions, through acute to chronic conditions
- Explain how biological, social, and psychological factors inform a physiotherapy intervention plan for clients with cardiorespiratory conditions
- Relate the role of physiotherapy to the management of cardiorespiratory conditions and pathologies using both an interprofessional and client-centred approach
- Demonstrate acceptable professional and ethical behaviours consistent with a physiotherapy practitioner.

### **Graduate Attributes**

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Team Work

- Cross Cultural Competence
- Ethical practice

## 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