

## In Progress

Please note that this Unit Profile is still in progress. The content below is subject to change.



# BMSC13019 Advanced Cardiovascular and Respiratory Measurement

## Term 2 - 2024

Profile information current as at 21/05/2024 05:08 pm

All details in this unit profile for BMSC13019 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

Accurate analysis and assessment of cardiovascular and respiratory conditions requires comprehensive knowledge of clinical tests of cardiovascular and respiratory function. In this unit, you will study advanced clinical diagnostic tests of cardiovascular and respiratory function and relate it to pathophysiology of cardiac and respiratory conditions. This will include study of cardiac function tests including haemodynamic, electrophysiological and angiographic cardiovascular measurement; and the study of respiratory function tests including lung volumes and capacities, pulmonary gas exchange, airway resistance, compliance and blood gas measurements. In preparation for clinical placement you will attain knowledge and skills needed to analyse cardiovascular and respiratory conditions within an ethical framework of best practice and patient safety.

### Details

Career Level: *Undergraduate*

Unit Level: *Level 3*

Credit Points: 12

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.25

### Pre-requisites or Co-requisites

Pre-requisite BMSC12006 Cardiorespiratory Physiology and Measurement

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 - 2024

- Online
- Rockhampton

### Attendance Requirements

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

### Website

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

## Class and Assessment Overview

### Recommended Student Time Commitment

Each 12-credit Undergraduate 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: 50%

#### 2. **Oral Examination**

Weighting: 50%

### Assessment Grading

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

## CQUniversity Policies

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

You may wish to view these policies:

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

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

## Previous Student Feedback

### Feedback, Recommendations and Responses

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

#### Feedback from Student unit evaluation survey

**Feedback**

Some students felt that weekly interactive activities may be beneficial.

**Recommendation**

The inclusion of weekly interactive activities will be considered to promote student engagement.

#### Feedback from Student unit evaluation survey

**Feedback**

Students enjoyed the structure of the lectures and fortnightly tutorials.

**Recommendation**

The current teaching strategy will be maintained.

## Unit Learning Outcomes

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

1. Discuss the underlying pathophysiology of cardiovascular and respiratory conditions
2. Discuss the principles and procedures of various cardiovascular and respiratory measurements according to best practice guidelines
3. Justify the implementation of a particular cardiovascular or respiratory measurement
4. Interpret the results of cardiovascular and respiratory measurements
5. Review the pharmacological implications associated with cardiovascular and respiratory measurements
6. Discuss the physiological exercise responses in cardiovascular and respiratory measurement.

## Alignment of Learning Outcomes, Assessment and Graduate Attributes

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

Assessment Tasks	Learning Outcomes					
	1	2	3	4	5	6
1 - Written Assessment - 50%	•	•	•	•	•	•
2 - Oral Examination - 50%	•	•	•	•	•	•

### Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes					
	1	2	3	4	5	6
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

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 17 June 2024

## Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.