

In Progress

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



BMSC13008 Advanced Cardiorespiratory Measurement

Term 2 - 2022

Profile information current as at 18/05/2022 06:11 am

All details in this unit profile for BMSC13008 have been officially approved by CQU University 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

On completion of this unit students should be able to relate cardiorespiratory physiology and pathophysiology to advanced clinical tests of cardiovascular and respiratory function including haemodynamic, electrophysiological and angiographic cardiovascular measurement. Students will gain vital knowledge of various pulmonary function tests including static lung volumes, pulmonary gas exchange, airway resistance, compliance, maximal pressures and blood gas measurements.

Details

Career Level: *Undergraduate*

Unit Level: *Level 3*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

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 - 2022

No offerings for BMSC13008

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. **Written Assessment**

Weighting: 60%

2. **Online Test**

Weighting: 40%

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 Email communications

Feedback

Make unit content and pre-recorded lectures available at the start of term to allow students to work at their own pace.

Recommendation

Continued use of pre-recorded lectures. Students will be supported throughout term with regular 'drop-in' sessions that will be available through Zoom.

Unit Learning Outcomes

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

1. Describe the underlying physiology requiring clinical cardiorespiratory measurements
2. Explain the various types of cardiorespiratory measurement according to best practice guidelines
3. Rationalise the implementation of a particular cardiorespiratory measurement
4. Interpret the results from cardiorespiratory measurement
5. Consider the pharmacological implications for cardiorespiratory measurement.

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 - Written Assessment - 60%	•	•	•	•	•
2 - Online Test - 40%	•	•	•	•	•

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	•	•	•	•	•

Graduate Attributes	Learning Outcomes				
	1	2	3	4	5
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 - Written Assessment - 60%	•	•	•	•				•		
2 - Online Test - 40%	•	•	•	•				•		

Textbooks and Resources

Textbooks

BMSC13008

Prescribed

Ruppel's manual of pulmonary function testing

11th Edition (2017)

Authors: Carl D Mottram

Elsevier

St Louis , Missouri , USA

ISBN: 9780323356251

Binding: Hardcover

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Supplementary

ISE Electrocardiography for Health Professionals

5th Edition (2019)

Authors: Kathryn Booth and Thomas O'Brien

McGraw Hill

New York , America

ISBN: 9781260098310

Binding: Paperback

Additional Textbook Information

Both paper and eBook copies can now be purchased at the CQUni Bookshop here:

<http://bookshop.cqu.edu.au> (search on the Unit code).

[View textbooks at the CQUniversity Bookshop](#)

IT Resources

You will need access to the following IT resources:

Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.