



# ECHO12003 *Principles of Cardiac Assessment*

## Term 2 - 2020

Profile information current as at 14/12/2025 12:38 pm

All details in this unit profile for ECHO12003 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

An understanding of the concepts of invasive and non-invasive diagnostic cardiovascular procedures is necessary in the field of echocardiography. In this unit you will be introduced to colour and spectral Doppler echocardiographic assessment techniques. You will analyse echocardiographic measurements to assess systolic and diastolic function and perform haemodynamic calculations. You will compare and contrast cardiac pressures derived using echocardiography to those obtained using cardiac catheterisation. You will apply your knowledge to a variety of cardiovascular pathologies and case studies. You will formulate differential diagnoses and consider patient management strategies within an ethical framework of best practice and patient safety. You will perform the standard echocardiographic protocol, with colour and spectral Doppler, in the simulated laboratory environment demonstrating professional behaviour and reflective practice. Attendance is required at practical activities.

### 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

Pre-requisite: ECHO12006 Cardiac Science ANDMEDS12001 Physics of Ultrasound

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 - 2020

- Brisbane
- Perth
- Sydney

### 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. **Practical Assessment**

Weighting: Pass/Fail

#### 3. **Performance**

Weighting: Pass/Fail

#### 4. **Reflective Practice Assignment**

Weighting: Pass/Fail

#### 5. **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 Moodle feedback

##### **Feedback**

Students found it challenging to coordinate assessment requirements alongside co-requisite unit ECHO12004 travel commitments.

##### **Recommendation**

Consideration of a written assessment instead of an online test to enable students the opportunity to spread study commitments across the term more easily.

#### Feedback from Moodle feedback

##### **Feedback**

Interactive tutorials were well received.

##### **Recommendation**

Continued provision of revision material which contextualizes application of theory taught during lectures.

#### Feedback from Moodle feedback

##### **Feedback**

Practical performance of measurements is difficult to master. QLAB case studies supported student learning.

##### **Recommendation**

Increased number of QLAB measurement performance and case study discussions by tutor to be incorporated into content delivery throughout term. Alternative measurement software package is being explored, to facilitate off campus access and improved feedback provision.

## Unit Learning Outcomes

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

1. Contrast the aetiology, pathophysiology, diagnostic assessment process and patient management strategy for a variety of cardiovascular disease processes
2. Perform, analyse and contrast haemodynamic calculations on cardiac assessment data to formulate differential diagnoses
3. Perform the standard echocardiographic protocol with colour and spectral Doppler
4. Display professional behaviour, teamwork and communication skills consistent with safe practice
5. Apply constructive feedback to professional practice improvement.

Linked to National and International Standards

1. ASAR Accreditation Standards for Cardiac Sonography - critical practice Unit 8 - Cardiac
2. European Association of Cardiovascular Imaging Core Syllabus
3. American Registry for Cardiac Sonography Core Syllabus

## 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 - Online Quiz(zes) - 40%	•	•			
2 - Practical Assessment - 0%			•		
3 - Performance - 0%				•	
4 - Reflective Practice Assignment - 0%					•
5 - Online Test - 60%	•	•			

## 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 - Online Quiz(zes) - 40%	•	•	•	•						
2 - Practical Assessment - 0%	•	•	•			•	•	•		
3 - Performance - 0%	•	•	•		•		•	•		
4 - Reflective Practice Assignment - 0%	•	•	•	•						

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
5 - Online Test - 60%	•	•	•	•						

## Textbooks and Resources

### Textbooks

ECHO12003

#### Prescribed

##### **A Sonographer's Guide to the Assessment of Heart Disease**

Edition: First (2016)

Authors: Bonita Anderson

Echotext Pty Ltd

Brisbane , Queensland , Australia

ISBN: 978-0-9923222-0-5

Binding: Hardcover

ECHO12003

#### Prescribed

##### **Echocardiography: The Normal Examination and Echocardiographic Measurements**

Edition: Third (2017)

Authors: Bonita Anderson

Echotext Pty Ltd

Brisbane , Queensland , Australia

ISBN: 978-0-9923222-1-2

Binding: Hardcover

#### Additional Textbook Information

If you prefer to study with a paper copy, they are available at the CQUni Bookshop here: <http://bookshop.cqu.edu.au> (search on the Unit code). eBooks are available at the publisher's website.

[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: [Vancouver](#)  
For further information, see the Assessment Tasks.

## Teaching Contacts

**Paula Boucaut** Unit Coordinator  
[p.boucaut@cqu.edu.au](mailto:p.boucaut@cqu.edu.au)

## Schedule

**Week 1 - 13 Jul 2020**

Module/Topic	Chapter	Events and Submissions/Topic
The colour Doppler examination	Anderson B. Echocardiography : The Normal Examination and Echocardiographic Measurements. 3rd ed. Brisbane: Echotext; 2017. Chapter 7, pg. 129-137. Chapter 8, pg. 139-148.	<b>Lab Agreement Form</b> submission due Friday 17th July 5.00 pm AEST.  <b>Consent Form - Sonographic Examination for Teaching Purposes</b> submission due Friday 17th July 5.00pm AEST.

**Week 2 - 20 Jul 2020**

Module/Topic	Chapter	Events and Submissions/Topic
The spectral Doppler examination	Anderson B. Echocardiography : The Normal Examination and Echocardiographic Measurements. 3rd ed. Brisbane: Echotext; 2017. Chapter 5, pg. 83-103. Chapter 6, pg. 105-128.	

**Week 3 - 27 Jul 2020**

Module/Topic	Chapter	Events and Submissions/Topic
Fundamental principles of haemodynamic cardiac assessment	Anderson B. Echocardiography : The Normal Examination and Echocardiographic Measurements. 3rd ed. Brisbane: Echotext; 2017. Chapter 11, pg. 203-231.	

**Week 4 - 03 Aug 2020**

Module/Topic	Chapter	Events and Submissions/Topic
Right heart pressure assessments	Anderson B. Echocardiography : The Normal Examination and Echocardiographic Measurements. 3rd ed. Brisbane: Echotext; 2017. Chapter 11, pg. 218-227.	<b>Quiz 1</b> will open at 8:00 am (AEST) on Thursday 6th August and will close at 8:00 pm (AEST) Friday 7th August.

**Week 5 - 10 Aug 2020**

Module/Topic	Chapter	Events and Submissions/Topic
Right ventricular systolic and diastolic function assessment	Anderson B. A Sonographer's Guide to the Assessment of Heart Disease. 1st ed. Brisbane: Echotext; 2016. Chapter 2, pg. 46-56. Chapter 3, pg. 82-85.	

**Vacation Week - 17 Aug 2020**

Module/Topic	Chapter	Events and Submissions/Topic
No content will be presented this week.		

**Week 6 - 24 Aug 2020**

Module/Topic	Chapter	Events and Submissions/Topic
	Anderson B. A Sonographer's Guide to the Assessment of Heart Disease. 1st ed. Brisbane: Echotext; 2016. Chapter 2, pg 19-46.	
Assessment of left ventricular systolic function using spectral Doppler	Anderson B. Echocardiography : The Normal Examination and Echocardiographic Measurements. 3rd ed. Brisbane: Echotext; 2017. Chapter 3, pg. 71-73. Chapter 4, pg. 77-78, Chapter 9, pg. 156-166. Chapter 14, pg 277-293.	

**Week 7 - 31 Aug 2020**

Module/Topic	Chapter	Events and Submissions/Topic
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Physiology of left ventricular diastole	Anderson B. A Sonographer's Guide to the Assessment of Heart Disease. 1st ed. Brisbane: Echotext; 2016. Chapter 3, p 57-85.  Lang, R. ASE's Comprehensive Echocardiography. Philadelphia, PA: Elsevier Saunders; 2016. Chapter 38, pg. 173-175.	<b>Quiz 2</b> will open at 8:00 am (AEST) on Thursday 3rd September (Week 7) and will close at 8:00 pm (AEST) Friday 4th September.
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#### Week 8 - 07 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Assessment of left ventricular diastolic function	Anderson B. A Sonographer's Guide to the Assessment of Heart Disease. 1st ed. Brisbane: Echotext; 2016. Chapter 3, pg. 57-85.  Lang, R. ASE's Comprehensive Echocardiography. Philadelphia, PA: Elsevier Saunders; 2016. Chapters 39-44, pg. 175-197.	

#### Week 9 - 14 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Left ventricular diastolic function assessment in special populations	Anderson B. A Sonographer's Guide to the Assessment of Heart Disease. 1st ed. Brisbane: Echotext; 2016. Chapter 3, pg. 57-85.	

#### Week 10 - 21 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Systemic hypertension	Anderson B. A Sonographer's Guide to the Assessment of Heart Disease. 1st ed. Brisbane: Echotext; 2016. Chapter 4, pg. 87-95.	

#### Week 11 - 28 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Pulmonary hypertension	Anderson B. A Sonographer's Guide to the Assessment of Heart Disease. 1st ed. Brisbane: Echotext; 2016. Chapter 4, pg. 96-111.	

#### Week 12 - 05 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic
Revision		

#### Review/Exam Week - 12 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic
		<b>Online Test</b> will open at 8:00 am (AEST) on Thursday 15th October, and will close at 8:00 pm (AEST) on Friday 16th October.

#### Exam Week - 19 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic
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**Professional Behaviour  
Assessment Rubric Form**

submission due within 48 hours of completion of the last scheduled laboratory session.

**Lab Attendance Form** submission due within 48 hours of completion of the last scheduled laboratory session.

**Laboratory session schedule to be advised pending COVID-19 social distancing restriction relaxation.**

## Term Specific Information

### Unit Coordinator and Contact details

The coordinator for ECHO12003 Principles of Cardiac Assessment is Paula Boucaut. The most efficient and preferred method of contacting Paula is via the Q&A forum located on the unit Moodle site. If your query is of a personal nature, please contact Paula directly via email (p.boucaut@cqu.edu.au) or phone (07 3023 4108).

Multiple academic staff will be providing presentations and hosting tutorials as part of this unit's delivery. Contact details for other academic staff can be found on the Moodle site.

### Unit Tutorials

Tutorials for this unit will be delivered 'live' online using ZOOM (the links required for accessing the tutorials are provided on the Moodle site under the weekly tabs). The tutorials will focus on answering the weekly study questions and contextualisation of key concepts in preparation for related assessments.

Lectures are used to present the central information for the week's study, outlining the main theories and principles of the topic under consideration. Tutorials provide an opportunity for discussion and interaction with other students and with your tutor. It is important students make the most of these interactive sessions and participate fully in order to broaden knowledge and experience with the course material.

To help staff prepare weekly tutorials, please post to the Q&A forum or email the unit coordinator any questions that you might have in relation to the learning material.

Note: Tutorials are recorded for educational purposes. Recordings of Zoom tutorials may be uploaded and appear on YouTube, Moodle and Microsoft Teams. If you have any concerns about being recorded please turn off your webcam or audio, or both, during the session. Your participation will signify your consent to the recording and publication for educational purposes.

Weekly revision material will be provided. Attempting all provided revision material will help you prepare for your online quiz(zes) and test. No new lecture material will be presented during week 12 of term. This week will be used to prepare for the final assessment.

Please ensure that you review the 'Welcome video' available on the Moodle site for further unit specific information.

## Assessment Tasks

### 1 Online Quiz (zes)

#### Assessment Type

Online Quiz(zes)

#### Task Description

Each quiz will assess your understanding of the content presented within this unit as outlined below. Questions may be drawn from lectures, additional resources provided (e.g. prescribed readings) or tutorial presentations.

- As each quiz is online and open book, you will find it useful if you have produced your own notes from the lectures and that you are familiar with the unit information.



- Questions will be drawn from a resource bank, to allow tests to be different for each student.
- It is recommended that you have a calculator available when sitting the online quiz(es).

**Each quiz can be accessed through the assessment tab on Moodle at the assigned time.**

- Each quiz will be marked out of 30 marks.
- You will have 40 minutes to complete each quiz.
- Open book conditions.

**Once started, each quiz cannot be paused or restarted. Only one attempt per quiz is permitted.**

**Please note:**

- It is your responsibility to ensure that you commence each online quiz before Friday 7:20 pm (AEST).
- The quiz will automatically close and submit completed student answers once the allocated time has elapsed.
- The duration of each quiz is tailored to promote recall of fact, rather than research of answers unknown.

**Students are reminded that IT support from the university Information and Technology Division (TASAC) is only available during AEST business hours.**

This assessment is to be undertaken as an individual. Colluding with other students on non-group work tasks is considered academic misconduct, and may lead to action being taken the Deputy Dean of Learning and Teaching HMAS.

**Students are advised to refer to the 'Assessment Policy and Procedure (Higher Education Coursework)' document for additional university guidelines regarding assessments.**

**Number of Quizzes**

2

**Frequency of Quizzes**

Other

**Assessment Due Date**

Quiz 1 will open at 8:00 am (AEST) on Thursday 6th August (Week 4) and will close at 8:00 pm (AEST) Friday 7th August. This quiz will assess the topics covered during weeks 1 to 3. Quiz 2 will open at 8:00 am (AEST) on Thursday 3rd September (Week 7) and will close at 8:00 pm (AEST) Friday 4th September. This quiz will assess the topics covered during Weeks 4 to 6.

**Return Date to Students**

Individual student results and feedback will be made available once submissions have been marked and moderated. The online quiz question pool in its entirety will not be released to students.

**Weighting**

40%

**Minimum mark or grade**

To PASS this assessment task, a minimum of 50% must be achieved for the combined 'overall' mark from quiz 1 and 2 (i.e. 30/60 marks overall).

**Assessment Criteria**

You will be required to answer a variety of online questions.

**Question responses will be assessed according to the:**

- use of appropriate terminology and descriptors as well as grammar and spelling.
- student's ability to appropriately interpret presented sonographic images and cardiac assessment data.
- student's ability to succinctly respond with accurate answers.

The number of marks allocated for each question will be indicated within the quiz. Question marks are allocated based on the accuracy, depth and breath of required responses.

Your score from each individual quiz will contribute 20% to your final grade. Thus, your combined score from the quizzes will contribute to 40% of your final unit grade (2 quizzes x 20% = 40%).

- The specific dates that each quiz opens and closes are outlined in the due description.
- Please note that the quizzes must be completed before the due date listed.
- In the absence of an approved extension, there will be no opportunity to complete the task after this date, and there will be no opportunity to apply a late penalty of five percent per day.
- Students will receive a mark of zero (or fail) for this assessment, if you have not completed it by the scheduled date and time and do not have an extension.

### Referencing Style

- [Vancouver](#)

### Submission

Online

### Submission Instructions

The online quiz(zes) will be accessible through the assessment tab on Moodle.

### Learning Outcomes Assessed

- Contrast the aetiology, pathophysiology, diagnostic assessment process and patient management strategy for a variety of cardiovascular disease processes
- Perform, analyse and contrast haemodynamic calculations on cardiac assessment data to formulate differential diagnoses

### Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy

## 2 2D, Colour and Spectral Doppler Practical Skills Assessment (including QLAB)

### Assessment Type

Practical Assessment

### Task Description

This practical assessment task requires you to complete a 2D, Colour and Spectral Doppler Practical Skills Assessment and a QLAB measurement assessment, to a beginner level competency.

Professional and technical scanning requirements and measurement techniques are discussed in the unit lab manual, lab sessions, lectures and tutorials.

### This is a PASS/FAIL assessment.

This assessment task has multiple parts and components [Part A (1) and (2) and Part B], all of which need to be successfully completed to achieve a 'PASS' overall.

### PART A: 2D, Colour and Spectral Doppler Practical Skills Assessment

Part A of this assessment task includes both a Professional and Technical (scanning) echocardiographic component.

#### (1) Professional (pre-scan, during and post-scan) requirements:

- Apply correct patient care techniques and effective communication to obtain relevant patient history, informed consent, and to direct 'patients' accordingly.
- Apply professionalism in dealing with equipment and the scanning setting.
- In addition to the technical scanning time allocation, an additional 10 minutes will be allocated for completion of professional requirements.

#### (2) Technical (scanning) requirements for an echocardiographic study:

- Demonstrate appropriate echocardiographic scanning technique, image optimisation, and acquisition, in a reasonable time period to an 'advanced beginner level' of competency.
- A scanning time limit of 1 hour will be applied to image acquisition.

### PART B: QLab measurement assessment

Part B of this assessment task requires students to perform a series of offline measurements using the QLAB workstations.

- A 35 min time limit will be applied to facilitate measurement performance, image acquisition and labelling, and worksheet completion.

**Students are advised to refer to the 'Assessment Policy and Procedure (Higher Education Coursework)' document for additional university guidelines regarding assessments.**

- In the absence of an approved extension, this assessment cannot be completed at a later time.
- Students will receive a FAIL for this assessment, if you have not completed it by the scheduled date and time and do not have an extension.
- Should a student FAIL, there is only ONE opportunity to re-sit either component of the assessment item.

### **Assessment Due Date**

Students will be advised of Practical skills and Qlab assessment scheduling via the unit Moodle site, pending COVID-19 social distancing restriction relaxation.

### **Return Date to Students**

Moderation of assessment marks needs to take place prior to students being advised of practical assessment results. Students will be advised as soon as possible of their practical assessment results. Students who qualify for resit practical assessments will be advised of arrangements directly.

### **Weighting**

Pass/Fail

### **Minimum mark or grade**

Beginner level competency - minimum 65% mark is required to obtain a PASS for these assessment components. This assessment does not carry a weighting toward the final unit grade.

### **Assessment Criteria**

To PASS this assessment, ALL parts and components of the 2D, Colour and Spectral Doppler Practical Skills Assessment and QLAB measurement assessment must be graded as a 'PASS'.

- All bolded items in the PART A (1) Professional component of the 2D, colour and spectral Doppler practical skills assessment ARC tool must be successfully demonstrated, else a FAIL for this assessment component is automatically awarded, regardless of the overall minimum mark achieved.

All assessment parts and components are graded separately, so that if one is passed and another is not, only the failed component must be repeated to pass.

- For example: If you only fail PART A (1) Professional requirements, you may be required to reattempt the full practical scanning assessment, but you will only be marked on the professional component.

Students will be practically assessed using the:

- **Assessment of Readiness for Clinical (ARC) tool for 2D, colour and spectral Doppler practical skills assessment.**
- **Assessment of Readiness for Clinical (ARC) tool for QLAB measurements.**

Students are advised to carefully review these documents which are available on the unit Moodle site.

Students will be provided with a singular opportunity to attempt the 2D, Colour and Spectral Doppler Practical Skills assessment and QLAB measurement assessment under **MOCK examination conditions**.

The MOCK assessment will be delivered as part of the routine laboratory sessions. There is no opportunity for rescheduling of missed laboratory sessions.

- Individual feedback will be provided to students regarding performance in MOCK assessments.
- Scanning feedback will be provided verbally by tutor supervising individual student MOCK practical scanning assessment.
- Students will also receive a completed MOCK 2D, colour and spectral Doppler practical skills assessment ARC tool

and QLAB measurement ARC tool following moderation.

#### Re-evaluation options:

In the event that you do not achieve a minimum 65% or higher, you will be given only ONE opportunity to re-sit the technical and/or professional components or QLab assessment (whichever is applicable).

Please be aware that the Echocardiogram practical skills tests will be video recorded for moderation purposes. The videos will not be released to students for review.

**ALL STUDENTS** are required to make themselves available to act as a patient model for peer assessment and/or resit opportunities, if requested by the unit coordinator.

#### Referencing Style

- [Vancouver](#)

#### Submission

No submission method provided.

#### Learning Outcomes Assessed

- Perform the standard echocardiographic protocol with colour and spectral Doppler

#### Graduate Attributes

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

## 3 Professional behaviour and lab documentation

#### Assessment Type

Performance

#### Task Description

The purpose of this assessment is to ensure that students from the echocardiography course are well-equipped to embody the high standards of professionalism that are expected from CQUniversity students while on their upcoming clinical placements.

Professional behaviour is a critical part of any medical imaging profession, and encompasses the manner in which we treat our colleagues, patients, and the professional settings and equipment provided to us.

This assessment will require you to treat each of your lab sessions as a scheduled "work shift" and to exhibit high quality professional attributes to ensure you are prepared to enter the work force with the skills required to provide safe patient care and professional behaviour.

- This assessment is based on a continuous and ongoing evaluation of student application and attendance during labs and behaviour exhibited during the time spent studying this unit, up until the completion all formal assessments.
- This includes participation in forums and online tutorials, labs, social media etiquette, phone calls, attitude towards peers and staff, and all official correspondence with university staff, peers, and community.

This assessment will require you to complete the following documentation, which forms part of your ECHO12003 Lab Manual. All forms are available under the Lab Documentation tab on the unit Moodle page.

This assessment task requires 4 individual documents to be submitted.

1. A signed **Lab Agreement Form** to be uploaded by Friday 17th July 5.00 pm (AEST) Week 1 of term.
2. A signed **Consent Form - Sonographic Examination for Teaching Purposes** to be uploaded by Friday 17th July 5.00 pm (AEST) Week 1 of term.
3. A completed and signed **Professional Behaviour Assessment Rubric Form** to be uploaded within 48 hours of completion of the last scheduled laboratory session.

4. A completed **Lab Attendance Form** to be scanned and uploaded within 48 hours of completion of the last scheduled laboratory session.

**This is a PASS/FAIL assessment.** As this is a pass/fail unit, all assessment items must be graded as a PASS to pass the unit.

This assessment is marked using the Professional Behaviour Assessment (PBA) rubric and incorporates LiPs (lapses in professionalism).

To pass this unit, you need to obtain a minimum mark of 12/15 for your PBA, and can receive a maximum of three LiPs across all descriptors. For example: if a fourth LiP is issued, the maximum mark would be 11/15 and the assessment will be graded as a FAIL.

All interactions with staff and peers pertaining to this unit will be treated as a replica of the clinical work environment. You will be expected to demonstrate all of the professional behaviour that will be expected of you in a formal work environment.

LiPs can be issued in three different categories:

1. Professional behaviour towards colleagues and staff.
2. Professional behaviour towards patients.
3. Professional behaviour towards professional settings and equipment.

An additional explanatory document is available on the Moodle site regarding 'Expected Professional Behaviour and LiP allocation'. Students are encouraged to review this information to ensure that you are aware of behavioural expectations.

You will be required to fill out a Formative Feedback Form for each of your labs, but not for the dates of your practical skills tests as outlined in the lab manual. Please note: Not routinely bringing Formative Feedback Forms to your lab for reflective feedback documentation and tutor signature; will warrant a LiP allocation.

It is very important that you familiarise yourself with the CODE OF CONDUCT in the Lab Manual as well as the ASA CODE OF CONDUCT and the CQU CODE OF CONDUCT. All of these documents are posted on the unit Moodle site for your information.

If unprofessional attitude or behaviour is reported by fellow classmates and not witnessed by a staff member, a written warning detailing the allegations will be issued to the student, and the student's response documented. If further evidence of an on-going unprofessional behaviour surfaces, then a LiP may be issued.

Any lack of professionalism displayed in the use of the Google Doc unmanned practice booking system (for example, changing the practise bookings of other students without consent, or accessing labs in excess of allocated entitlements), will result in an automatic LiP.

Up to THREE LiPs can be issued before the assessment is graded as a FAIL.

**However, if any exhibited attitude or behaviour is deemed as unsafe or inappropriate for clinical practice, the professional behaviour assessment will be graded as a FAIL at the discretion of the unit coordinator.**

Note: Exemplary professional behaviour is highly valued by clinical supervisors. This information may be used to endorse students for placements if requested by clinical sites.

### **Assessment Due Date**

Lab Agreement Form and Consent Form - Sonographic Examination for Teaching Purposes due Friday 17th July 5.00 pm (AEST) Week 1. Once the lab delivery schedule is confirmed, pending relaxation of COVID-19 social distancing restrictions, dates for submission of the Professional Behaviour Assessment Rubric Form and Lab Attendance Form will be published on the unit Moodle site.

### **Return Date to Students**

Results will be published after submissions have been moderated.

## Weighting

Pass/Fail

## Assessment Criteria

- You must upload all of the required documentation for this assessment by the due date and time to obtain a 'PASS'.
- All submitted documents must be correctly labelled and formatted to obtain a 'PASS'.
- If you are absent for a lab, please indicate the reason for this yourself on your formative feedback form and attendance record - a tutor's signature is not required.

## Referencing Style

- [Vancouver](#)

## Submission

Online

## Submission Instructions

ALL scanned documents must be appropriately labelled with student name, student number and document descriptor as illustrated. (Example identification: John SMITH\_S12345\_Lab Agreement Form) Documentation requested must be individually submitted as separate Word or PDF formatted documents. JPEG format is not acceptable. A total of 4 individual document submissions is required.

## Learning Outcomes Assessed

- Display professional behaviour, teamwork and communication skills consistent with safe practice

## Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Team Work
- Cross Cultural Competence
- Ethical practice

# 4 Formative feedback forms

## Assessment Type

Reflective Practice Assignment

## Task Description

The purpose of this assessment is to develop self-reflection skills by setting weekly goals and following up on progress.

This assessment will require you to complete and submit 7 x Formative Feedback Forms.

## This is a PASS/FAIL assessment.

Formative Feedback Forms must be completed BEFORE leaving at the end of each lab (as you would be required to complete documentation for each patient's scan before the end of a clinical shift).

- Formative feedback forms must be signed off by the instructor who supervised your laboratory scanning session.
- If you are absent for a lab, please indicate the reason for this yourself on your formative feedback form - a tutor's signature is not required in this instance.
- Please note details on the Professional Behaviour Assessment Rubric Form which further outline the appropriate procedure for lab absences.

## Assessment Due Date

All 7 Formative Feedback Forms are to be uploaded within 48 hours of completion of the last scheduled laboratory session.

## Return Date to Students

Results will be published after submissions have been moderated.

**Weighting**

Pass/Fail

**Assessment Criteria**

You must upload all of the required documentation for this assessment by the due date and time to obtain a 'PASS'.

**Referencing Style**

- [Vancouver](#)

**Submission**

Online

**Submission Instructions**

ALL scanned documents must be appropriately labelled with student name, student number and document descriptor as illustrated. (Example identification: John SMITH\_S12345\_Formative Feedback Form 1) Documentation requested must be individually submitted as separate Word or PDF formatted documents. JPEG format is not acceptable. A total of 7 individual document submissions is required.

**Learning Outcomes Assessed**

- Apply constructive feedback to professional practice improvement.

**Graduate Attributes**

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy

## 5 Online test

**Assessment Type**

Online Test

**Task Description**

The online test will assess your understanding of the content presented within this unit. Questions may be drawn from lectures, additional resources provided (e.g. prescribed readings) or tutorial presentations.

- **Perusal time and online test duration will be 130 minutes in total.**
- **Open book conditions.**
- **It is recommended that you have a calculator available when sitting the online test.**

This assessment is to be undertaken as an individual. Colluding with other students on non-group work tasks is considered academic misconduct and may lead to action being taken the Deputy Dean of Learning and Teaching HMAS.

- Once started, the online test cannot be paused or restarted. Only one attempt is permitted.
- The online test will automatically close and submit completed student answers once the allocated time has elapsed.
- The duration of this test is tailored to promote recall of fact, rather than research of answers unknown.
- You will be required to answer a variety of online questions. Questions may include multiple choice, short answer, essay style or image interpretation format.

The number of marks allocated for each question will be indicated within the online test. Question marks are allocated based on the accuracy, depth and breath of required responses.

Students are reminded that IT support from the university Information and Technology Division (TASAC) is only available during AEST business hours. It is recommended that the online test is completed during business hours.

In the absence of an approved extension, this assessment cannot be completed at a later time. Students will receive a mark of zero (or fail) for this assessment, if you have not completed it by the scheduled date and time and do not have an extension.

**Students are advised to refer to the 'Assessment Policy and Procedure (Higher Education Coursework)' document for additional university guidelines regarding assessments.**

**Assessment Due Date**

The online test will open at 8:00 am (AEST) on Thursday 15th October, and will close at 8:00 pm (AEST) on Friday 16th October.

**Return Date to Students**

Individual student results and feedback will be made available once submissions have been marked, moderated and certified by the University. The online test question pool in its entirety will not be released to students.

**Weighting**

60%

**Minimum mark or grade**

To PASS this assessment task, a minimum of 50% must be achieved.

**Assessment Criteria**

Students will be required to answer a variety of online questions.

**Questions:**

- will be drawn from a resource bank, to allow tests to be different for each student.
- may include short answer, essay style, multiple choice or film viewing questions.
- will require students to be familiar with both normal and pathological echocardiographic and anatomical images.

**Question responses will be assessed according to the:**

- use of appropriate terminology and descriptors as well as grammar and spelling.
- student's ability to appropriately interpret presented sonographic images and cardiac assessment data.
- student's ability to succinctly respond with accurate answers.

**Referencing Style**

- [Vancouver](#)

**Submission**

Online

**Submission Instructions**

The online test will be accessible through the assessment tab on Moodle.

**Learning Outcomes Assessed**

- Contrast the aetiology, pathophysiology, diagnostic assessment process and patient management strategy for a variety of cardiovascular disease processes
- Perform, analyse and contrast haemodynamic calculations on cardiac assessment data to formulate differential diagnoses

**Graduate Attributes**

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy



## 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