



ECHO12008 *Doppler Echocardiography*

Term 2 - 2024

Profile information current as at 07/07/2025 08:01 am

All details in this unit profile for ECHO12008 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.

Corrections

Unit Profile Correction added on 24-09-24

Task 5 In-class test: Minimum mark criteria of 50% is missing from the unit profile. Details for the task are as follows:

5 In-Class Test

Assessment Type

In-class Test(s)

Task Description

This test will be an online test performed in class with closed-book conditions at the campus of your enrolment.

If you arrive late, you may enter the test room up to 30 minutes after the start of the test however you will still be required to submit your test at the preset completion time. You will not be allowed entry more than 30 minutes after the test starts.

In the absence of an approved extension, you cannot complete this assessment at a later time, and you will receive a mark of zero (0) for the assessment if you have not completed it by the scheduled date and time.

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

This test will assess your understanding of all 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.
- Closed book conditions.
- It is recommended that you have a simple calculator available when sitting the test.

This assessment will be done as an individual. Colluding with other students on non-group work tasks is considered academic misconduct. Additionally, employing Gen AI to generate your assessment task responses is also classified as academic misconduct. Any breaches of academic misconduct may lead to action being taken by 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.
- 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 In-Class test. Question marks are allocated based on the accuracy, depth, and breadth of required responses.

Assessment Due Date

Online In-class Test will open at 1-4 pm (AEST) on Tuesday 8th October. For room details, please see the assessment description in Moodle.

Return Date to Students

Results will be available within two weeks of the due date.

Weighting

60%

Minimum mark or grade

50%

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.

Submission Instructions

In-class online test to be performed at campus of enrolment.

Learning Outcomes Assessed

- Compare 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.

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 while demonstrating professional behaviour and reflective practice. Attendance is required at practical activities.

Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: *12*

Student Contribution Band: *8*

Fraction of Full-Time Student Load: *0.25*

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 - 2024

- Brisbane
- 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 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. **Online Quiz(zes)**

Weighting: 40%

2. **Practical Assessment**

Weighting: Pass/Fail

3. **Performance**

Weighting: Pass/Fail

4. **Reflective Practice Assignment**

Weighting: Pass/Fail

5. **In-class Test(s)**

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 SUTE

Feedback

Students felt that they were unable to review quiz questions post assessments.

Recommendation

Students will be reminded of the assessment feedback that is available to them. All students will be contacted via CQU Success emails and invited to schedule individual Zoom meetings to review quiz questions and responses. This practice will continue. In addition online assessments will be released to students in their entirety post completion in 2024.

Feedback from SUTE

Feedback

Students felt there were inconsistencies in familiarity of unit content and expectations between tutors.

Recommendation

Weekly TEAMS forum posts will be devised for tutors containing important information regarding laboratory sessions and expectations. A review of laboratory documentation and teaching materials will be undertaken.

Feedback from SUTE

Feedback

Students felt that assessment weighting and time allocations should be reviewed.

Recommendation

Online quiz time frames will be reviewed. Students will also be reminded of the time constraints associated with online quizzes. Mark allocations will be reviewed to ensure adequate time is allowed for the requirements of each question. .

Unit Learning Outcomes

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

1. Compare 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 reflective 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

 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
1 - Online Quiz(zes) - 40%	•	•			
2 - Practical Assessment - 0%			•		
3 - Performance - 0%				•	
4 - Reflective Practice Assignment - 0%					•
5 - In-class Test(s) - 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					

Textbooks and Resources

Textbooks

ECHO12008

Prescribed

A sonographer's guide to the assessment of heart disease

Edition: 1 (2016)

Authors: Bonita Anderson

Echotext

Australia

ISBN: 9780992322205

ECHO12008

Prescribed

Echocardiography : the normal examination and echocardiographic measurements

Third edition (2017)

Authors: Bonita Anderson

Australia Echotext Pty Ltd

Australia

ISBN: 9780992322212

[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

No referencing style set.

Teaching Contacts

Sue Kitto Unit Coordinator

s.kitto@cqu.edu.au

Schedule

Week 1 - 08 Jul 2024

Module/Topic	Chapter	Events and Submissions/Topic
The Colour Doppler Exam	See eReading List via Moodle	1. Lab Agreement Form 2. Consent Form The signed Lab Agreement and consent forms are to be handed in at your first lab session either Tuesday 9th July at 8.30 am or Wednesday 10th July at 8.30 am.

Week 2 - 15 Jul 2024

Module/Topic	Chapter	Events and Submissions/Topic
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The Spectral Doppler Exam	See eReading List via Moodle
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Week 3 - 22 Jul 2024

Module/Topic	Chapter	Events and Submissions/Topic
Haemodynamic Fundamentals	See eReading List via Moodle	

Week 4 - 29 Jul 2024

Module/Topic	Chapter	Events and Submissions/Topic
Right Heart Pressure Estimation	See eReading List via Moodle	Online Quiz 1 Opens at 8:00 am (AEST) on Thursday 1st August (Week 4) and closes at 8:00 pm (AEST) Friday 2nd August.

Week 5 - 05 Aug 2024

Module/Topic	Chapter	Events and Submissions/Topic
RV Systolic and Diastolic Assessment	See eReading List via Moodle	

Vacation Week - 12 Aug 2024

Module/Topic	Chapter	Events and Submissions/Topic
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Week 6 - 19 Aug 2024

Module/Topic	Chapter	Events and Submissions/Topic
Doppler Parameters of LV Systolic Function	See eReading List via Moodle	

Week 7 - 26 Aug 2024

Module/Topic	Chapter	Events and Submissions/Topic
Physiology of Diastole	See eReading List via Moodle	Online Quiz 2 Opens at 8:00 am (AEST) on Thursday 29th August and closes at 8:00 pm (AEST) Friday 30th August.

Week 8 - 02 Sep 2024

Module/Topic	Chapter	Events and Submissions/Topic
Assessment of Diastolic Function	See eReading List via Moodle	

Week 9 - 09 Sep 2024

Module/Topic	Chapter	Events and Submissions/Topic
Special Populations and Right Ventricular Diastolic Function	See eReading List via Moodle	Formative Feedback Forms and Mock Assessment Reflection Forms All Seven (7) forms, are to be uploaded by 5 pm (AEST) Friday 13th September.

Week 10 - 16 Sep 2024

Module/Topic	Chapter	Events and Submissions/Topic
Systemic Hypertension	See eReading List via Moodle	

Week 11 - 23 Sep 2024

Module/Topic	Chapter	Events and Submissions/Topic
Pulmonary Hypertension	See eReading List via Moodle	

Week 12 - 30 Sep 2024

Module/Topic	Chapter	Events and Submissions/Topic
Revision		Lab Attendance and Professional Behaviour Assessment Form A completed and signed Lab Attendance and Professional Behaviour Assessment Form is to be uploaded by Friday 4th October 5.00 pm (AEST).

Review/Exam Week - 07 Oct 2024

Module/Topic	Chapter	Events and Submissions/Topic
		Online In-class Test The test will open at 1:00 pm and close at 4:00 pm (AEST) on Tuesday 8th October. For room details, please see the assessment description in Moodle

Exam Week - 14 Oct 2024

Module/Topic	Chapter	Events and Submissions/Topic
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Term Specific Information

Unit Coordinator and Contact details

The coordinator for ECHO12008 Doppler Echocardiography is Sue Kitto. The most efficient and preferred method of contacting Sue is via the Q&A forum located on the unit Moodle site. If your query is personal, please contact Sue directly via email (s.kitto@cqu.edu.au) or phone (07 3023 4158). Please note, that Sue's office days are Mondays, Tuesdays and Fridays.

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 virtual classes tile). 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 are designed to complement the theories and principles presented in lectures. Tutorials provide an opportunity for discussion and interaction with other students and with your tutor. Students must make the most of these interactive sessions and participate fully to broaden their 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 about the learning material. Note: Tutorials are recorded for educational purposes. Recordings of Zoom tutorials may be uploaded and appear in Moodle. 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 the term. This week will be used to prepare for the final assessment.

Please ensure that you review 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 so 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(zes).

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 which includes 10 minutes perusal time.
- 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 answers once the allocated time has elapsed.
- The duration of each quiz is tailored to promote recall of facts, rather than research of answers unknown.

This assessment will be done as an individual. Colluding with other students on non-group work tasks is considered academic misconduct. Additionally, employing Gen AI to generate your assessment task responses is also classified as academic misconduct. Any breaches of academic misconduct may lead to action being taken by 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 assessment guidelines.

Recommendations for sitting online assessments:

1. Please sit your test during business hours so you can get help if you need it. For IT help, TASAC hours of operation are 7.30 am - 6:00 pm AEST Monday - Friday Tel: (07) 49309090.
2. In case of any problems, please contact the Unit Coordinator and TASAC straight away. Please screenshot any computer errors to illustrate claims.
3. Sit your online assessment on campus to avoid any home internet concerns.

Number of Quizzes

2

Frequency of Quizzes

Other

Assessment Due Date

Online Quiz 1 will open at 8:00 am (AEST) on Thursday 1st August (Week 4) and will close at 8:00 pm (AEST) Friday 2nd August. Online Quiz 2 will open at 8:00 am (AEST) on Thursday 29th August and will close at 8:00 pm (AEST) Friday 30th August.

Return Date to Students

Results will be made available within two (2) weeks of assessment completion.

Weighting

40%

Assessment Criteria

No Assessment Criteria

Submission

No submission method provided.

Learning Outcomes Assessed

- Compare 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

2 Echocardiography Skills Assessment

Assessment Type

Practical Assessment

Task Description

The Echocardiographic Skills Assessment is comprised of two parts— Part A 'Practical' and Part B 'Measurement Performance'. Part A involves the completion of a comprehensive echocardiographic protocol. Part B involves image measurement performance.

Students will be assessed according to the Assessment of Readiness for Clinical (ARC) tools, which are available on the unit Moodle site. These documents detail performance criteria the student must demonstrate competence in to pass the assessment. Student competence is assessed in relation to the expectations specific to this unit of study. Students enrolled in ECHO12008 are working towards the attainment of a **Beginner level of competency**, as detailed on the ARC tools.

PART A: Practical

Part A of the Echocardiography Skills Assessment incorporates both a professional and technical component and requires students to perform a comprehensive 2D, colour and spectral Doppler echocardiographic examination using ultrasound equipment. Students have 70 minutes to complete both Professional and Technical components.

Professional Component

The professional component of this assessment evaluates performance aspects of the sonographic exam such as communication (verbal, non-verbal, and written), professional behaviour, ergonomics, and patient care skills. In summary, this is an assessment of the pre-scan, scanning, and post-scan skills.

Technical Component

The technical component of this assessment evaluates the students' scanning technique, image optimisation, and ability to complete a complete an Echocardiogram within a reasonable set time to a 'Beginner level' of competency.

- The ARC tool details both the required imaging sequence and performance criteria cues.
- Except for panning or sector sweeps which are critiqued live or via video recording moderation, the collection of images stored by the student represents the echocardiographic examination performed.
- At the end of the examination, the supervising tutor will acquire a variety of representative images. These images will be used during marking and moderation to ascertain achievable image quality.

Note: Part A (Practical) of the Echocardiography Skills Assessment 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 patient models for peer assessments. Students must additionally make themselves available for re-sit assessments if requested by the unit coordinator.

PART B: Measurement Performance

Part B of the Echocardiography Skills Assessment requires students to apply best practice guidelines when undertaking routine M-mode, two-dimensional, and Doppler measurements on echocardiographic images using Q-Station discipline-specific software. Students are required to accurately perform and record a series of echocardiographic measurements offline using discipline-specific analysis software. Students are required to save measurement images to a desktop folder and transcribe these measurement values onto a provided worksheet replicating clinical documentation.

- The ARC tool details the required measurement sequence and performance criteria cues.
- Students must transcribe these measurements onto a provided worksheet replicating clinical documentation.
- The collection of images stored by the student represents the measurement examination performed.

Students have 35 minutes to complete this assessment.

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 it is not completed by the scheduled date and time and there is no approved extension.
- Should a student fail this assessment, there will be only ONE opportunity to re-sit the failed component of the assessment item.

Assessment Due Date

The Skills Assessment will be completed during Week 10. The Re-sit Skills Assessment will be completed during Week 12. Schedules will be posted on the ECHO12008 Moodle site.

Return Date to Students

Results will be made available within two (2) weeks of assessment completion.

Weighting

Pass/Fail

Assessment Criteria

Students will be practically assessed using the documents below. Students are advised to carefully review these documents which are available on the unit Moodle site.

- PART A: Practical Assessment of Readiness for Clinical ARC tool.
- PART B: Measurement performance ARC tool.

PART A - Practical

To pass Part A of this assessment, a student must be deemed competent in both the Professional and Technical components. To pass these components, ALL criteria must be demonstrated to the appropriate level of competence as detailed in the ARC tools.

The professional and technical components are graded separately so that if one is passed and the other is not, only the failed component must be repeated to pass.

There is only ONE opportunity to re-sit either component of this assessment item.

PART B - Measurement Performance

To pass Part B of this assessment, ALL criteria must be demonstrated to the appropriate level of competence as detailed on the ARC tools. If multiple images of a single measurement are saved, only the image corresponding to the measurement transcribed on the worksheet will be assessed.

There is only ONE opportunity to re-sit this assessment item.

Mock Examination

Students will be provided with a singular opportunity to attempt the Practical Skills assessment and QLAB measurement assessment under mock examination conditions. Individual feedback will be provided to students after completing the mock assessments. Students will receive a completed MOCK Part A (Practical) ARC tool and MOCK Part B (Measurement Performance) ARC tool following moderation. Scanning feedback will be provided verbally by the tutor supervising each student's mock practical scanning assessment.

The mock assessment will be delivered as part of the routine laboratory sessions. Note, there is no opportunity for rescheduling of missed laboratory sessions.

Submission

No submission method provided.

Learning Outcomes Assessed

- Perform the standard echocardiographic protocol with colour and spectral Doppler

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 follow-on clinical placement blocks. 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 we interact with. Exemplary professional behaviour is highly valued by clinical supervisors and this information may be used to endorse students for placements if requested by clinical sites.

This assessment requires students to treat each of the lab sessions as a scheduled "work shift" and to exhibit high quality professional attributes. 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 of all formal assessments. Aspects of professionalism will be assessed across multiple levels including, but not limited to: maintenance of laboratory documentation, Moodle forums, online tutorials, lab sessions (both manned and unmanned), interactions with peers and staff, social media, phone calls and all official correspondence with university staff, peers and the community.

Instances of substandard professional behaviour will result in a Lapse in Professionalism (LiP) point being awarded to the offending student. **Should a student acquire more than three (3) LiPs, this assessment will automatically be graded a FAIL.**

LiPs may 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

Further information is detailed in the **Expected Professional Behaviour and LiP Allocation** document, which is available on the Moodle site. Students are encouraged to review this document to be sure of behavioural expectations. Students should also be familiar with the CQUniversity Student Charter as well as the Australasian Sonographers Association (ASA) Code of Conduct (available online).

If an 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 will be documented. If further evidence of ongoing unprofessional behaviour arises then a LiP may be awarded. If any exhibited attitude or behaviour is deemed as unsafe or inappropriate, this assessment will be graded as a FAIL at the discretion of the unit coordinator.

Absenteeism

Skills labs for this unit are mandatory. Students must advise the unit coordinator before the start of compulsory labs if unable to attend. Failure to notify staff (via email or phone) before the start of a missed lab will result in a LiP (Lapse in Professionalism) except in extraordinary circumstances. Lateness to labs may result in a LiP, whether notice is given or not. Labs missed for a valid reason (eg. illness or injury) require supporting documentation. Medical or health-related certificates must be in the approved formats articulated in the CQUniversity Assessment Policy and Procedure (HE Coursework), section 5.

Any missed labs must be clearly marked on the Lab Attendance Page and Reflective Feedback Form. A tutor's signature is not required in this case. There is no opportunity to 'make up' missed lab sessions.

Peer-Assisted Practice Sessions

Students are offered regular peer-assisted practice sessions, which are scheduled through Google Doc links on the Moodle site. Penalties will be applied if instructions and rules disclosed on these documents are not adhered to. Failure to abide by these regulations may result in a LiP and removal of attendance privileges.

Assessment Due Date

Laboratory Agreement Form and Consent Form are due in the first laboratory session either Tuesday 9th July at 8.30 am or Wednesday 10th July at 8.30 am Week 1 of term; Professional Behaviour Rubric Form and Laboratory Attendance Form due via Moodle by Friday 4th October 5.00 pm (AEST) Week 12 of term

Return Date to Students

Feedback will be provided to students within two weeks of submission.

Weighting

Pass/Fail

Assessment Criteria

This assessment incorporates maintenance of pertinent lab documentation including lab attendance and any Lapse in

Professionalism (LiP) points accrued throughout unit delivery. To pass this unit students need to consistently display a high standard of professional behaviour including, but not limited to, punctual lab attendance. All interactions with staff and peers pertaining to this unit will be treated as a replica of the clinical work environment, and students are expected to demonstrate the professional behaviour expected in a formal work environment. **No more than three (3) Lapses in Professionalism are permitted to pass the unit.**

Students are required to complete the following documentation and submit to Moodle in PDF format. All documents are available on the unit Moodle page.

1. A signed Lab Agreement Form (To be handed in at the first laboratory session on either Tuesday 9th July at 8.30 am or Wednesday 10th July at 8.30 am Week 1 of term)
2. A signed Consent Form - Sonographic Examination for Teaching Purposes (To be handed in at the first laboratory session on either Tuesday 9th July at 8.30 am or Wednesday 10th July at 8.30 am Week 1 of term)
3. A completed and signed Lab Attendance and Professional Behaviour Assessment form (signed and uploaded to Moodle by Friday 4th October 5 pm (AEST), Week 12 of term).

The "Laboratory Agreement Form" and "Consent Form", as well as the Mandatory Laboratory Induction, must be completed in the first laboratory session in week 1. Students cannot participate in laboratory activities until these documents are completed.

To PASS this assessment, all documentation must be completed appropriately and submitted by the due date and time. All documents must be legible, labelled appropriately and uploaded in PDF format.

Submission

Online

Submission Instructions

Online via Moodle. Each item must be submitted and labelled appropriately, i.e. "S123456789 - John SMITH - Lab Attendance and Professional Behaviour Assessment form".

Learning Outcomes Assessed

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

4 Formative Feedback and Self-Reflection forms

Assessment Type

Reflective Practice Assignment

Task Description

Students are to develop goal-setting, reflection, and feedback skills through weekly activities.

1. Formative Feedback Forms (one for each laboratory session; a total of seven forms). Each form must include self-reflection and goal-setting, tutor feedback, and tutor signature. The feedback form must be completed before leaving the associated laboratory session.
2. Mock Assessment Reflection Form. This form must include reflection on areas of strength and areas for improvement in preparation for the Skills Assessment.

The "Formative Feedback and Mock Assessment Reflection Forms" are available on the ECHO12008 Moodle. Students must complete and upload completed documents by the due date to achieve a pass.

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 from 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 outlines the appropriate procedure for lab absences.

Assessment Due Date

All forms (Seven (7) Formative Feedback Forms and Mock Assessment Reflection Form) are to be uploaded by 5 pm (AEST) Friday 13th September Week 9.

Return Date to Students

Results will be made available within two (2) weeks of assessment completion, once submissions have been marked and 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'.

Submission

Online

Submission Instructions

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 and Self Reflection Form 1). Documentation requested must be individually submitted as separate Word or PDF formatted documents. JPEG format is not acceptable.

Learning Outcomes Assessed

- Apply reflective feedback to professional practice improvement.

5 In-Class Test

Assessment Type

In-class Test(s)

Task Description

This test will be an online test performed in class with closed-book conditions at the campus of your enrolment.

If you arrive late, you may enter the test room up to 30 minutes after the start of the test however you will still be required to submit your test at the preset completion time. You will not be allowed entry more than 30 minutes after the test starts.

In the absence of an approved extension, you cannot complete this assessment at a later time, and you will receive a mark of zero (0) for the assessment if you have not completed it by the scheduled date and time.

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

This test will assess your understanding of all 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.
- Closed book conditions.
- It is recommended that you have a simple calculator available when sitting the test.

This assessment will be done as an individual. Colluding with other students on non-group work tasks is considered academic misconduct. Additionally, employing Gen AI to generate your assessment task responses is also classified as academic misconduct. Any breaches of academic misconduct may lead to action being taken by 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.
- 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 In-Class test. Question marks are allocated based on the accuracy, depth, and breadth of required responses.

Assessment Due Date

Online In-class Test will open at 1-4 pm (AEST) on Tuesday 8th October. For room details, please see the assessment description in Moodle.

Return Date to Students

Results will be available within two weeks of the due date.

Weighting

60%

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.

Submission

Online

Submission Instructions

In-class online test to be performed at campus of enrolment.

Learning Outcomes Assessed

- Compare 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

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